Tibero

에러 참조 안내서

Tibero 5

TIBERO

안내서 정보

안내서 제목: Tibero 에러 참조 안내서

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소프트웨어 버전: Tibero 5

안내서 버전: 2.1.4

내용 목차

안내서에 대하여

안내서의 대상

본 안내서는 Tibero®(이하 Tibero)를 사용하는 도중에 발생할 수 있는 에러에 대한 원인과 해결 방법을 참고하려는 모든 데이터베이스 사용자를 대상으로 기술한다.

안내서의 전제 조건

본 안내서를 원활히 이해하기 위해서는 다음과 같은 사항을 미리 알고 있어야 한다.

- 데이터베이스의 이해

- RDBMS의 이해

- SQL의 이해

- 프로그래밍의 기본 지식

안내서의 제한 조건

본 안내서는 Tibero를 실무에 적용하거나 운용하는 데 필요한 모든 사항을 포함하지 않는다. 따라서 설치, 환경설정 등 운용 및 관리에 대해서는 각 제품 안내서를 참고하기 바란다.

안내서 규약

표기	의미
<AaBbCc123>	프로그램 소스 코드의 파일명, 디렉터리
<Ctrl>+C	Ctrl과 C를 동시에 누름
[Button]	GUI의 버튼 또는 메뉴 이름
진하게	강조
" "(따옴표)	다른 관련 안내서 또는 안내서 내의 다른 장 및 절 언급
'입력항목'	화면 UI에서 입력 항목에 대한 설명
하이퍼링크	메일계정, 웹 사이트
>	메뉴의 진행 순서
+----	하위 디렉터리 또는 파일 있음
|----	하위 디렉터리 또는 파일 없음
참고	참고 또는 주의사항
[그림 1.1]	그림 이름
[표 1.1]	표 이름

관련 안내서

안내서	설명
Tibero 설치 안내서	설치 시 필요한 시스템 요구사항과 설치 및 제거 방법을 기술한 안내서이다.
Tibero tbCLI 안내서	Call Level Interface인 tbCLI의 개념과 구성요소, 프로그램 구조를 소개하고 tbCLI 프로그램을 작성하는 데 필요한 데이터 타입, 함수, 에러 메시지를 기술한 안내서이다.
Tibero 애플리케이션 개발자 안내서	각종 애플리케이션 라이브러리를 이용하여 애플리케이션 프로그램을 개발하는 방법을 기술한 안내서이다.
Tibero External Procedure 안내서	External Procedure를 소개하고 이를 생성하고 사용하는 방법을 기술한 안내서이다.
Tibero JDBC 개발자 안내서	Tibero에서 제공하는 JDBC 기능을 이용하여 애플리케이션 프로그램을 개발하는 방법을 기술한 안내서이다.
Tibero tbESQL/C 안내서	C 프로그래밍 언어를 사용해 데이터베이스 작업을 수행하는 각종 애플리케이션 프로그램을 작성하는 방법을 기술한 안내서이다.
Tibero tbESQL/COBOL 안내서	COBOL 프로그래밍 언어를 사용해 데이터베이스 작업을 수행하는 각종 애플리케이션 프로그램을 작성하는 방법을 기술한 안내서이다.
Tibero tbPSM 안내서	저장 프로시저 모듈인 tbPSM의 개념과 문법, 구성요소를 소개하고, tbPSM 프로그램을 작성하는 데 필요한 제어 구조, 복합 타입, 서브프로그램, 패키지와 SQL 문장을 실행하고 에러를 처리하는 방법을 기술한 안내서이다.
Tibero tbPSM 참조 안내서	저장 프로시저 모듈인 tbPSM의 패키지를 소개하고, 이러한 패키지에 포함된 각 프로시저와 함수의 프로토타입, 파라미터, 예제 등을 기술한 참조 안내서이다.
Tibero 관리자 안내서	Tibero의 동작과 주요 기능의 원활한 수행을 보장하기 위해 DBA가 알아야 할 관리 방법을 논리적 또는 물리적 측면에서 설명하고, 관리를 지원하는 각종 도구를 기술한 안내서이다.
Tibero tbAdmin 안내서	SQL/PSM 처리와 DBA를 위한 시스템 관리 기능을 제공하는 GUI 기반의 툴인 tbAdmin을 소개하고, 설치 및 사용 방법을 기술한 안내서이다.
Tibero	데이터베이스와 관련된 작업을 수행하기 위해 필요한 유틸리티의 설치 및 환경설정, 사용 방법을 기술한 안내서이다.

안내서	설명
유틸리티 안내서	
Tibero 참조 안내서	Tibero의 동작과 사용에 필요한 초기화 파라미터와 데이터 사전, 정적 뷰, 동적 뷰를 기술한 참조 안내서이다.
Tibero SQL 참조 안내서	데이터베이스 작업을 수행하거나 애플리케이션 프로그램을 작성할 때 필요한 SQL 문장을 기술한 참조 안내서이다.

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1001: Unable to create file %1$s.

Cause	Cannot create the file.
Action	Check the file path and permissions.

1002: Unable to lock file %1$s.

Cause	Cannot lock the file.
Action	Check the file path and permissions.

1003: Unable to open file %1$s.

Cause	Cannot open the file.
Action	Check the file path and permissions.

1004: Unable to read file %1$s.

Cause	Cannot read the file.
Action	Check the file path and permissions.

1005: Unable to write to file %1$s.

Cause	Cannot write to the file.
Action	Check the file path and permissions.

1006: Unable to open log file in group %1$d.

Cause	Cannot open the log file.

Action	Check the log file path and permissions.

1007: Unable to read log file in group %1$d, block %2$d.

Cause	Cannot read the log file.
Action	Check the log file path and permissions.

1008: Unable to write to log file in group %1$d, block %2$d.

Cause	Cannot write to the log file.
Action	Check the log file path and permissions.

1009: Unable to read corrupt block: file# %1$u, block# %2$u.

Cause	Cannot read the corrupted data block.
Action	Perform a media recovery and try again.

1010: Unable to read fractured block: file# %1$u, block# %2$u.

Cause	Cannot read the data block due to inconsistency.
Action	Perform a media recovery and try again.

1011: File is not %1$s file: %2$s.

Cause	Invalid file type.
Action	Check the data file type and try again.

1012: Log file group mismatch: GROUP %1$d <> %2$d (%3$s)

Cause	The log file is not the one from the specified log group.
Action	Check the log file and try again.

1013: Unable to create log file %1$s.

Cause	Failed to create a log file.
Action	Check the log file path and permissions.

1014: Unable to create datafile %1$s.

Cause	Failed to create a data file.
Action	Check the file path and permissions.

1015: Unable to pin more blocks.

Cause	The size of buffer cache is insufficient.
Action	Check the size of buffer cache and try again.

1016: Log group %1$d is corrupted.

Cause	One of the log group members is corrupted.
Action	Perform a recovery of the log file.

1017: Duplicate logfile %1$d exists.

Cause	Tried to create a log file with a duplicate log file number.
Action	Check the log file.

1018: Bad log group %1$d (%2$s).

Cause	One of the log group members is abnormal.
Action	Perform a recovery of the log file.

1019: Bad log file %2$s (%1$s).

Cause	Log file is abnormal.

Action	Check the log file.

1020: Bad datafile %1$s.

Cause	The data file is from another database.
Action	Check the data file.

1021: Duplicate datafile %1$s exists.

Cause	Tried to create a file with a duplicate data file number.
Action	Check the data file.

1022: Resetlogs failed: %1$s (%2$s)

Cause	Resetlogs failed.
Action	Locate the cause of the failure and try again.

1023: Resetlogs is required.

Cause	Reboot the system with resetlogs.
Action	Perform any required recovery processes and try again.

1024: Database needs media recovery: %1$s(%2$s).

Cause	Media recovery is needed.
Action	Perform media recovery.

1025: Media Recovery has already started.

Cause	Media recovery has already started.
Action	Locate the cause of the failure and try again.

1026: Media recovery is not started.

Cause	Media recovery is not started.
Action	Locate the cause of the failure and try again.

1027: Unable to find archive logfile for thread %1$d from change %2$u.

Cause	Cannot locate the log file needed for media recovery.
Action	Check the log file and try again.

1028: Logfile is invalid: %1$s (seq=%2$d), %3$s.

Cause	The log file is invalid.
Action	Choose a valid log file and try again.

1029: Log network write failed.

Cause	Failed to transmit a redo log to standby DB.
Action	Check the condition of standby DB and try again.

1030: Log network protocol failure (type=%1$d).

Cause	The communications protocol does not match that of standby DB.
Action	Check that the server versions of the primary DB and standby DB match and then try again.

1032: Invalid cache replication configuration (%1$s).

Cause	The settings for the standby DB are not invalid.
Action	Modify the settings in primary DB and try again.

1033: Unable to open log file (%1$d).

Cause	Cannot open the redo log file to be transmitted to standby DB.
Action	Check whether the log files exist or not and try again.

1034: Database requires recovery.

Cause	Database requires a recovery.
Action	Check the cause of the failure and try again.

1035: Database is open in read-only mode.

Cause	DB has been opened in read-only mode.
Action	Reopen in another mode and try again.

1036: Standby consistency check failed.

Cause	A consistency check for the standby DB failed.
Action	Create a new standby DB.

1037: Log network read failed.

Cause	No response has arrived from standby DB.
Action	Check whether or not the standby DB is running, and check the server version.

1038: Log network connect failed (%1$s).

Cause	The primary DB failed to connect with the standby DB.
Action	Examine the configuration files of the primary and standby DBs and try again.

1039: LF#%1$d - %2$s.

Cause	The online redo log file has a problem.

Action	Check the online redo log file and restart the server.

1040: Not permitted while standby database is connected.

Cause	The action is not permitted while the standby DB is connected.
Action	Disconnect the standby DB and try again.

1041: Unable to start partial recovery - %1$s (%2$s).

Cause	A partial recovery cannot be started, since an invalid time has been specified for the recovery to finish.
Action	Contact the technical support team.

1042: Unable to read log member file in group %1$d, member %2$d (%3$s), block %4$d.

Cause	Failed to read the log member file.
Action	Perform a recovery of invalid log file members.

1043: Unable to finish media recovery - %1$s (%2$s).

Cause	Cannot finish media recovery now.
Action	Finish the media recovery after satisfying the conditions necessary for completion.

1044: Unable to read log file: file %1$s, blk %2$d.

Cause	Failed to read the log file.
Action	Check whether or not the log file has a problem and try again.

1045: Redo thread #%1$d is not enabled.

Cause	Cannot use redo threads.

Action	Enable redo threads and try again.

1046: Unable to add log file - %1$s (%2$s).

Cause	Cannot add a log file.
Action	Contact the technical support team.

1047: Datafile requires redo thread #%1$d to be enabled - %2$s.

Cause	Cannot use redo threads.
Action	Enable redo threads and try again.

1048: Light work rule violated.

Cause	The light work rule was violated.
Action	Internal flag. This error can be safely ignored.

1049: Datafile #%1$d needs media recovery.

Cause	Media recovery is required.
Action	Perform media recovery.

1050: Datafile #%1$d needs media recovery.

Cause	The checkpoints should be set first.
Action	Set the checkpoints first and try again.

1051: Instance recovery cascaded.

Cause	The instance recovery was canceled due to the activation of another instance recovery.
Action	Internal flag. This error can be safely ignored.

1052: Log members in group %1$d, block %2$d are not identical.

Cause	The members of the log group are not identical.
Action	Make all log members identical.

1053: Unable to run database in single instance mode.

Cause	Unable to start database in a single instance mode.
Action	Use a clustered database.

1054: Redo thread %1$d already used.

Cause	The redo thread is already in use.
Action	Check the status of the redo threads and try again.

1055: Unable to automatically recover media from change %1$u.

Cause	Cannot perform automatic media recovery.
Action	Continue media recovery through manual recovery.

1056: Unable to proceed while other instances are running.

Cause	Some other instances are running.
Action	End the active instances and try again.

1057: Unable to start a media recovery - %1$s.

Cause	Unable to start the media recovery with the information given.
Action	Specify another argument or a different media recovery.

1058: Unable to recover corrupted media.

Cause	Unable to perform a media recovery due to invalid log or data block.

Action	Check the log file and try again.

1059: Cannot access the file at instance %1$d - %2$s.

Cause	Cannot access the file at instance.
Action	Check the file path and try again.

1060: Unable to read afferent DBA block: file# %1$u, block# %2$u.

Cause	Cannot read the data block due to unformatted or corrupted block.
Action	Perform the media recovery and try again.

1061: Instance recovery is ongoing.

Cause	Cannot complete boot since instance recovery is ongoing.
Action	Try to boot later.

2001: Completed successfully with warnings or additional information.

Cause	The function has concluded successfully but with warnings or additional information related to the results.
Action	Check the warnings and additional information with the GetDiagField() function.

2002: DSN (Database Source Name) file was not found.

Cause	DSN file could not be found.
Action	Check tbdsn.tbr or tbnet_alias.tbr in the $TB_HOME/client/config directory.

2003: DSN (Database Source Name) file is corrupted.

Cause	DSN file is corrupted.
Action	Check tbdsn.tbr or tbnet_alias.tbr in the $TB_HOME/client/config directory.

2004: DSN (Database Source Name) file format is invalid.

Cause	DSN file format is invalid.
Action	Check tbdsn.tbr or tbnet_alias.tbr in the $TB_HOME/client/config directory.

2005: Username is too long: must be less than 128 bytes.

Cause	The user name is too long. User names may not be longer than 128 bytes.
Action	Check the size of the user name in the argument.

2006: Password is too long: must be less than 64 bytes.

Cause	The password is too long. Passwords may not be longer than 63 bytes.
Action	Check the size of the password in the argument.

2007: Table name is too long: must be less than 128 bytes.

Cause	The table name is too long. Table names may not be longer than 128 bytes.
Action	Check the size of the table name in the argument.

2008: Column name is too long: must be less than 128 bytes.

Cause	The column name is too long. Column names may not be longer than 128 bytes.
Action	Check the size of the column name in the argument.

2009: Schema name is too long: must be less than 128 bytes.

Cause	The schema name is too long. Schema names may not be longer than 128 bytes.
Action	Check the size of the schema name in the parameter.

2010: String data was right-truncated.

Cause	Actual data is larger than the buffer.
Action	Check the size of the data buffer.

2011: Wrong parameter number given.

Cause	Invalid parameter number.
Action	Check the parameter number.

2012: Prepared statement is not a cursor specification.

Cause	The prepared statement does not provide a valid cursor specification.

| **Action** | Check that the statement is a SELECT statement. |

2013: Invalid column index at descriptor.

| **Cause** | Invalid column index. |
| **Action** | Check the descriptor column index. |

2014: Invalid record index at descriptor.

| **Cause** | Invalid record index. |
| **Action** | Check the descriptor record index. |

2015: Client was unable to establish connection.

| **Cause** | Cannot connect to the server. |
| **Action** | Check that the server is running, and check the DB connection settings. |

2016: OCIServer or OCISession are not set in OCISvcCtx.

| **Cause** | Server or session handle is not registered as an attribute of OCISvcCtx. |
| **Action** | Check that the OCISvcCtx handle is normally created. |

2017: Open connection already exists.

| **Cause** | Already connected to the server. |
| **Action** | Disconnect the server and retry, or continue with desired actions. |

2018: No open connection.

| **Cause** | Not connected to the server. |
| **Action** | Try reconnecting to the server and retrying the action. |

2019: Program type out of range.

Cause	The SQL_C type is not supported.
Action	Check the SQL_C type and change it.

2020: Invalid SQL data type.

Cause	Unsupported SQL data type.
Action	Check the SQL data type and change it.

2021: Associated statement is not prepared.

Cause	SQL statement has not been prepared.
Action	Execute when SQL statement is prepared.

2022: Invalid use of null pointer.

Cause	Invalid null nointer was used.
Action	Check the null pointer.

2023: Invalid argument type.

Cause	Invalid argument type.
Action	Check the argument type.

2024: Invalid argument value.

Cause	Invalid argument value.
Action	Check the argument value.

2025: Function sequence error.

Cause	Invalid function sequence.

Action	Check the sequence of functions.

2026: Attribute was not set.

Cause	Failed to set attributes.
Action	Check the attributes.

2027: Invalid transaction operation.

Cause	Invalid transaction operation.
Action	Check whether the current transaction operation is valid.

2028: Cannot modify the implementation row descriptor.

Cause	Cannot modify IRD (Implementation Row Descriptor).
Action	Check the target descriptor type to modify.

2029: Invalid use of an automatically allocated descriptor handle.

Cause	Invalid use of automatically allocated descriptor handle.
Action	Create a new descriptor handle.

2030: Inconsistent descriptor information.

Cause	Invalid descriptor information.
Action	Check the binding descriptor.

2031: Invalid attribute value.

Cause	Invalid attribute value.
Action	Check whether or not the value can be specified for the current attribute.

2032: Invalid string or buffer length.

Cause	Invalid length of character string.
Action	Change the length of the string.

2033: Invalid descriptor field identifier.

Cause	The descriptor field identifier is undefined or not implemented.
Action	Check the descriptor field identifier.

2034: Invalid descriptor field identifier.

Cause	The specified descriptor field is read-only.
Action	Check the attributes of the descriptor field.

2035: Invalid attribute/option identifier.

Cause	Invalid attribute or option.
Action	Recheck the attribute or option.

2036: Invalid parameter index.

Cause	Invalid parameter index.
Action	Check the parameter index.

2037: Invalid parameter type.

Cause	Invalid parameter type.
Action	Check the parameter type.

2038: Invalid cursor position.

Cause	Invalid cursor position.

Action	Verify that the cursor position is correct.

2039: Optional feature not yet implemented.

Cause	The function has not yet been implemented.
Action	Use an alternative function.

2040: Invalid cursor state.

Cause	Invalid cursor state.
Action	Check the cursor state.

2041: Required indicator variable was not specified.

Cause	No indicator has been specified.
Action	Specify the indicator.

2042: Savepoint exception.

Cause	Invalid name for the savepoint.
Action	Check the name of the savepoint.

2043: Duplicate cursor name exists.

Cause	Duplicate cursor name detected.
Action	Change the cursor name.

2044: Invalid cursor name.

Cause	Invalid cursor name
Action	Change the cursor name.

2045: Invalid record index number.

Cause	Invalid diagnostics record index
Action	Check the diagnostics record index.

2046: Not yet implemented.

Cause	That has not been implemented.
Action	Use an alternative function.

2047: Attribute is not yet implemented.

Cause	The attribute has not been implemented.
Action	Use an alternative attribute.

2048: Data source was not found.

Cause	Unable to find DSN.
Action	Check whether DSN configuration is valid.

2049: Invalid offset for LOB.

Cause	Invalid offset value for large object (LOB).
Action	Check the offset value of LOB.

2050: Invalid length for LOB.

Cause	Invalid LOB length
Action	Check the LOB length.

2051: Invalid authorization.

Cause	Not authorized to perform this task.

Action	Check the user name and password.

2052: Invalid parameter.

Cause	Invalid environment parameter type.
Action	Check the environment parameter type.

2053: Invalid plan executed.

Cause	Invalid plan was executed.
Action	Check whether the plan ID is valid.

2054: Cursor is already open.

Cause	The cursor is already open.
Action	Check the cursor state.

2055: Cursor is not open.

Cause	Cursor is not opened.
Action	Check the cursor state.

2056: Specified SQL statement is NULL.

Cause	Executed SQL statement is NULL.
Action	Check the SQL statement again.

2057: Invalid scroll option.

Cause	Invalid scrollable cursor fetch.
Action	Check whether the cursor type is scrollable.

2058: Invalid data type.

Cause	Data type is unsupported by server.
Action	Check the data type again.

2059: Invalid data length.

Cause	Exceeds the maximum data length supported by server.
Action	Check the data length.

2060: Invalid diagnostics index.

Cause	Invalid diagnostics index
Action	Check the diagnostics index.

2061: Data type is currently unsupported.

Cause	Data type is currently unsupported.
Action	Use an alternative data type.

2062: Type casting is not allowed.

Cause	Unable to change the data type.
Action	Check the data type.

2063: Invalid parameter in/out mode.

Cause	Invalid parameter mode.
Action	Check the parameter mode.

2064: Trailing NULL missing from string bind value.

Cause	There is no NULL at the end of string bind value.

Action	Check the bind value.

2065: Data was truncated.

Cause	Data was too long and was truncated.
Action	Check the data length.

2067: Index out of range.

Cause	Index value was out of range.
Action	Check the index.

2068: Invalid indicator type.

Cause	Invalid indicator type
Action	Check the indicator type.

2069: I/O read error.

Cause	There is a problem reading from the server.
Action	Check the connection.

2070: I/O write error.

Cause	There is a problem writing to the server.
Action	Check the connection.

2071: I/O close error.

Cause	There is a problem closing the communication with server.
Action	Check the connection.

2072: Invalid buffer length.

Cause	Invalid buffer length.
Action	Check the buffer length.

2073: Invalid handle.

Cause	Invalid handle.
Action	Check whether the handle is valid.

2074: Invalid handle type.

Cause	Invalid handle type.
Action	Check whether or not the handle type is valid.

2075: Invalid DBC handle.

Cause	Invalid connection handle.
Action	Check the connection handle.

2076: Invalid statement handle.

Cause	Invalid statement handle.
Action	Check the statement handle.

2077: Failed to initialize the handle manager.

Cause	Failed to initialize handle manager.
Action	Check the handle allocation.

2080: CLI Driver manager is not initialized.

Cause	CLI Driver manager is not yet initialized.

Action	Initialize the CLI Driver Manager.

2081: Invalid attempt to fetch before the first row of the result set.

Cause	The specified fetch location is before the first record of the result set.
Action	Specify a valid fetch location.

2082: Invalid socket file descriptor.

Cause	Invalid socket file descriptor
Action	Check the connection with the server.

2083: Failed to close socket.

Cause	Failed to close socket.
Action	Check whether the connection with the server is still available.

2084: Invalid protocol.

Cause	Invalid server connection protocol.
Action	Check the condition of the server and clients.

2085: Invalid LOB locator from server.

Cause	Invalid LOB locator received from server.
Action	Check the LOB locator.

2086: No data.

Cause	No data.
Action	Check the fetch state.

2087: Data is needed.

Cause	The server requires some data.
Action	Ensure the data to be sent is available.

2088: Connection failed.

Cause	Failed to connect to server.
Action	Check the sever state.

2089: Failed to disconnect.

Cause	Failed to disconnect.
Action	Check the server state.

2090: Execution failed.

Cause	Failed to execute SQL statements.
Action	Recheck the SQL statements.

2091: Fetching failed.

Cause	Failed to fetch.
Action	Check the cursor state.

2092: Preparation failed.

Cause	Failed to prepare a statement.
Action	Check the execution statement.

2093: Failed to close the cursor.

Cause	Failed to close the cursor.

Action	Check the cursor state.

2094: Failed to commit.

Cause	Failed to commit.
Action	Check the transaction state.

2095: Failed to close session.

Cause	Failed to close the session.
Action	Check the server state.

2096: Session kill failed.

Cause	Failed to end the session.
Action	Check the server state.

2097: Rollback failed.

Cause	Failed to roll back.
Action	Check the transaction state.

2098: Savepoint failed.

Cause	Failed to set a savepoint.
Action	Check the transaction state.

2099: Put data failed.

Cause	Failed to transfer the data.
Action	Check whether data is valid.

2100: Cancel failed.

Cause	Failed to cancel.
Action	Check the transaction state.

2101: Failed to get the length of LOB.

Cause	Failed to obtain the LOB type length.
Action	Check the LOB locator.

2102: Failed to read LOB data.

Cause	Failed to read LOB data.
Action	Check the LOB locator.

2103: Failed to write LOB data.

Cause	Failed to write LOB data.
Action	Check the LOB locator.

2104: Failed to truncate LOB data.

Cause	Failed to truncate LOB data.
Action	Check the LOB locator.

2105: Unable to find specified cursor.

Cause	Unable to find a cursor with the specified name.
Action	Check whether or not the cursor is valid.

2106: Invalid plan ID.

Cause	Invalid plan ID

Action	Prepare the SQL statement again.

2107: DPL is unprepared.

Cause	Failed to prepare DPL.
Action	Check whether the operation is valid.

2108: Failed to load stream.

Cause	DPL load stream operation failed.
Action	Check whether the operation is valid.

2109: Failed to save data.

Cause	DPL data save operation failed.
Action	Check whether the operation is valid.

2110: Failed to abort

Cause	DPL abort operation failed.
Action	Check whether the operation is valid.

2111: Failed to finish.

Cause	DPL finish operation failed.
Action	Check whether the operation is valid.

2112: Failed to flush rows.

Cause	Failed to flush a particular record.
Action	Check whether the operation is valid.

2113: More rows needed after loadstream().

Cause	Additional data is needed after DPL load stream operation.
Action	Provide the necessary data.

2114: No rows to be inserted after loadstream().

Cause	No data has been inserted after DPL load stream operation.
Action	Check whether the data is valid.

2115: Failed to read DSN info from ODBC.INI.

Cause	Failed to read DSN information from ODBC.INI.
Action	Check the DSN information.

2116: Completed row delivery to users.

Cause	Data fetch process is complete.
Action	Perform the next required actions.

2118: Invalid communication ID.

Cause	Invalid communication ID.
Action	Check the communication ID.

2119: Shutdown failed.

Cause	Failed to shut down.
Action	Check the server state.

2120: Unable to get information about the last SQL statement.

Cause	Failed to obtain information on the last executed SQL statement.

Action	Check whether the operation was valid.

2121: Duplicate request exists.

Cause	The request is a duplicate.
Action	Check whether the operation is valid.

2122: Handle is in use.

Cause	The handle is in use.
Action	Check the handle state.

2123: No accessible element exists in data structure.

Cause	There is no error of the descriptor.
Action	Check the index.

2127: Invalid chunk index.

Cause	The chunk index is invalid.
Action	Check the chunk index.

2131: Generic I/O error.

Cause	There is a problem communicating with the server.
Action	Check the connection with the server.

2133: Specified index is greater than number of diagnostics records.

Cause	There are more indexes than diagnostics records.
Action	Check the diagnostics record index.

2134: More data exists for this column.

Cause	There is additional data for the column.
Action	Receive the remaining data by calling the SQLGetData() function.

2135: Current cursor is not updatable.

Cause	The cursor is not updatable.
Action	Change to an updatable cursor and retry.

2136: Row index is out of range.

Cause	The record index is out of range.
Action	Specify a record index smaller than the total number of records in the result set.

2137: Invalid integer buffer size.

Cause	An invalid size was specified for the integer buffer.
Action	Choose a value between 1 to 8 bytes.

2138: Invalid floating point buffer size.

Cause	An invalid size was specified for the floating point buffer.
Action	Choose a value between 4 and 8 bytes.

2139: Connection to server was interrupted, but the fail-over successfully reconnected.

Cause	The server connection was terminated, but a new connection was made to a server instance with the same DNS name.
Action	The job being executed by the user was canceled and must be restarted.

2140: Unable to connect to unsupported DBMS server.

Cause	An attempt was made to connect to a server that is not supported by the current client.
Action	Use a client that supports connections to this server.

2141: IP address specified in DSN file is too long: cannot be longer than 128 bytes.

Cause	The length of the IP address in the DSN file is longer than 128 bytes.
Action	Check the length of the IP address.

2142: Invalid date/time format.

Cause	Invalid date/time format.
Action	Check the date/time format.

2143: Out of range for numeric.

Cause	Out of range for numeric.
Action	Check the buffer size or the data type.

2144: Invalid bookmark value.

Cause	Invalid bookmark value.
Action	Check if the bookmark value is null or valid value.

2145: Invalid fetch direction for the current cursor type.

Cause	Invalid fetch direction for the current cursor type.
Action	Check whether the cursor type is scrollable.

2146: Current result set cursor type downgraded.

Cause	The current cursor type does not support this query type. The query type will be changed.
Action	Check the query type.

2147: Fractional truncation.

Cause	The numbers after the decimal point are truncated.
Action	Check the buffer size or the data type.

2148: Invalid character value for casting the type.

Cause	Invalid character string value for changing the type.
Action	Check whether the character string is valid to change to the specified type.

2149: No available connection exists in the connection pool.

Cause	No available connection exists in the connection pool.
Action	Modify the parameter to change the number of connections available in the connection pool.

2150: Failed to create a daemon thread.

Cause	Failed to create a daemon thread.
Action	Internal error. Contact the technical support team.

2151: Failed to detach the daemon thread.

Cause	Failed to detach the daemon thread.
Action	Internal error. Contact the technical support team.

2152: Invalid descriptor index.

Cause	Invalid descriptor index.
Action	Check if the column/parameter exists for the descriptor index.

2153: Date/time field overflow.

Cause	Invalid date type value.
Action	Check the data value of the date type.

2154: Invalid chunk index.

Cause	The chunk index is invalid.
Action	Check the chunk index.

2155: Option value changed.

Cause	The specified option is not supported. The option value has been changed to other one.
Action	Check the option value.

2156: Cannot find connection information of JEPA (JAVA External Procedure Agent).

Cause	Cannot find connection information of JEPA.
Action	Check tbdsn.tbr in the $TB_HOME/client/config directory.

2157: Failed to execute psm.

Cause	Failed to execute psm.
Action	Internal error. Contact the technical support team.

2158: Cannot set the size of TCP Send Buffer.

Cause	Failed to set the size of TCP Send Buffer.
Action	Contact the technical support team.

2159: Cannot set the size of TCP Receive Buffer.

Cause	Failed to set the size of TCP Receive Buffer.
Action	Contact the technical support team.

2160: Unable to set the size of TCP Send Buffer.

Cause	Occurs if it was failed to set the size of TCP Send Buffer.
Action	Contact the technical support team.

2161: Unable to set the size of TCP Receive Buffer.

Cause	Occurs if it was failed to set the size of TCP Receive Buffer.
Action	Contact the technical support team.

2162: Unable to get the size of TCP Send Buffer.

Cause	Occurs if it was failed to get the size of TCP Send Buffer.
Action	Contact the technical support team.

2163: Unable to get the size of TCP Receive Buffer.

Cause	Occurs if it was failed to get the size of TCP Receive Buffer.
Action	Contact the technical support team.

2164: Unable to set the size of TCP Send Buffer.

Cause	Occurs if it was failed to set the size of TCP Send Buffer.

Action	Contact the technical support team.

2165: Unable to set the size of TCP Receive Buffer.

Cause	Occurs if it was failed to set the size of TCP Receive Buffer.
Action	Contact the technical support team.

2166: Unable to get the size of TCP Send Buffer.

Cause	Occurs if it was failed to get the size of TCP Send Buffer.
Action	Contact the technical support team.

2167: Unable to get the size of TCP Receive Buffer.

Cause	Occurs if it was failed to get the size of TCP Receive Buffer.
Action	Contact the technical support team.

2168: Unable to determine the speed of data transmission between server and client.

Cause	Occurs if it was failed to determine the speed of data transmission between server and client.
Action	Contact the technical support team.

2169: Multi thread mode is not set.

Cause	This error occurs when the multi thread mode is not set.
Action	Use the SQLAllocHandle2 or SQLAllocEvn2 API with a true value in the last argument when allocating the env handle.

2170: The necessary attributes are not set in subs handle.

Cause	This error occurs when the topic and callback functions and listen port information are not set in subscription.
Action	Set all the necessary attributes for the subscription.

2171: The subscription topic has already been registered.

Cause	This error occurs when a client tries to register the same topic using the same dbc handle.
Action	Registering the same topic in the same dbc handle is not allowed.

2172: The subscription topic has not been registered.

Cause	This error occurs when the topic to unregister is not in the list of subscriptions.
Action	Register the topic first.

2173: Unable to find the listener.

Cause	This error occurs when there is no listener listening for the port of the unregistering subscription.
Action	Check if the port of the subscription and the subscription are registered.

2174: Failed to recover select.

Cause	This error occurs when an I/O error occurred during select failover.
Action	Try again later.

3001: Out of memory (shared memory).

Cause	There is insufficient shared memory left.
Action	To increase the shared memory space, specify a larger value for the TOTAL_SHM_SIZE parameter.

3002: Out of memory (unable to allocate %1$d bytes of shared pool memory).

Cause	There is insufficient shared pool memory left.
Action	To increase the shared memory space, specify a larger value for the TOTAL_SHM_SIZE parameter.

3003: Out of memory (system memory).

Cause	The system memory is full.
Action	Increase the system memory space, or close other running programs.

3004: Unable to open log file.

Cause	Cannot open the log file.
Action	Check the log file path and permissions.

3005: Insufficient space in buffer.

Cause	There is insufficient buffer space.
Action	Increase the size of the buffer.

3006: Feature not yet implemented.

Cause	This feature is not yet implemented.
Action	Check whether a feature which is not yet implemented was used.

3007: Environment variable (TB_HOME or TB_SID) is not set.

Cause	An environment variable (TB_HOME or TB_SID) has not been defined.
Action	Define the variable.

3009: Unable to change log directory because the target directory is the same as the old destination.

Cause	The target directory is the same as the log directory currently being used.
Action	Specify a directory that is different from the current log directory.

3010: Unable to change log directory because of a failure in renaming log file.

Cause	Unable to rename the log file. Refer to the server error log for more detail.
Action	Examine the permission to the log file and check the error log at server. For more information, contact the technical support team.

3011: Unable to change log directory because of a failure in generating new log file.

Cause	The target directory has insufficient space.
Action	Examine the target directory space and initial parameters such as LOG_TOTAL_SIZE_LIMIT. Make sure the directory has sufficient space by deleting or moving unnecessary files. Fore more information, contact the technical support team.

3012: Unable to change log directory.

Cause	An error occured while remapping a new log file. Check the error log at server.
Action	Examine the error log at server. For more information, contact the technical support team.

3013: Unable to change log directory because filenames conflict.

Cause	There is already a log file with identical name in the target directory.
Action	Modify the filename or remove the log file in the target directory.

3014: Unable to create a directory for the new log file.

Cause	Unable to create a directory for the new log file due to invalid path or authority.
Action	Check whether a path and its authority of the new log file are valid. Also examine the error log of the server. For more information, contact the technical support team.

4001: Invalid DBA found.

Cause	Invalid DBA (Database Administrator) has been entered.
Action	Enter valid DBA.

4002: Invalid row number.

Cause	Invalid row number was entered.
Action	Enter a valid row number.

4003: Invalid serialized long locator discovered.

Cause	Invalid serialized long locator was entered.
Action	Enter a valid serialized long locator.

4004: Duplicate unique key found during index fast build.

Cause	A duplicate key exists in the table; the index cannot be made.
Action	Delete the duplicate key or make a non-unique index.

4005: Referential constraint violation: foreign key exists.

Cause	A foreign key exists with the same value; the primary key cannot be deleted.
Action	Delete the foreign key and then delete the primary key.

4006: Referential constraint violation: primary key not found.

Cause	A foreign key cannot be inserted; the primary key does not exist.

Action	Enter the primary key and then insert the foreign key.

4007: Unable to find LONG cursor.

Cause	In order to use the LONG function, an open cursor is necessary.
Action	Call the LONG function before closing the cursor.

4008: Duplicate unique key found during multi insert.

Cause	Cannot insert the entered key into the index, as the key is a duplicate.
Action	Check the duplicate key.

4009: LOB snapshot too old

Cause	The LOB value for CR was overwritten by another tx.
Action	Check the cause of the failure and try again.

4010: LOB information requested by a client is invalid.

Cause	LOB directory information is no longer valid.
Action	Because the directory of the table in which LOB exists is changed, the LOB locator cannot be used for the access.

5001: Datetime/interval precision is out of range.

Cause	The values of DATETIME and INTERVAL do not match with the specified precision.
Action	Correct the specified precision and try again.

5002: Invalid data type for this operation.

Cause	An invalid data type was entered for an operation or function.
Action	Check the entered data type.

5003: Invalid TIME value.

Cause	Invalid TIME value.
Action	Check each field of TIME.

5004: Invalid TIMESTAMP value.

Cause	Invalid TIMESTAMP value.
Action	Check each field of TIMESTAMP.

5005: Invalid DATE value.

Cause	Invalid DATE value.
Action	Check each field of DATE.

5006: Invalid DATETIME unit type.

Cause	Invalid unit type for the entered DATETIME type.

Action	Check the entered unit type.

5007: Invalid string length.

Cause	Invalid format string or input string length.
Action	Check if format string or input string is null or smaller than 0.

5008: Invalid precision specified for fractions of a second.

Cause	The precision specified for fraction of a second in TIMESTAMP and TIME is invalid.
Action	Check whether the precision is between 0 and 9.

5009: Input string is not long enough for DATE format.

Cause	The input string to be converted into the specified format string is not complete.
Action	Check the input string and add to it to match the given format string.

5010: Format ends before the entire input string is converted.

Cause	Additional unconverted data exists in the input string after conversion.
Action	Check the definition of the DATETIME format code and correct the input string.

5011: Invalid DATE format.

Cause	Invalid format code for DATE type is entered.
Action	Check whether valid DATE format code is used.

5012: Invalid TIME format.

Cause	Invalid format code for TIME/TIMESTAMP type is entered.
Action	Check whether a valid TIME/TIMESTAMP format code is used.

5013: Specified format code cannot be used as input format.

Cause	The given format code cannot be used as input format.
Action	Delete the invalid format code from format string.

5014: Specified format code is invalid.

Cause	Unable to verify the specified format code.
Action	Delete the invalid format code from format string.

5015: Duplicated YEAR format exists.

Cause	A YEAR format code has already been provided.
Action	Delete the duplicate YEAR format code.

5016: Duplicated MONTH format exists.

Cause	A MONTH format code has already been provided.
Action	Delete the duplicate MONTH format code.

5017: Duplicated DAY format exists.

Cause	A DAY format code has already been provided.
Action	Delete the duplicate DAY format code.

5018: Duplicated HOUR format exists.

Cause	An HOUR format code has already been provided.
Action	Delete the duplicate HOUR format code.

5019: Duplicated MINUTE format exists.

Cause	A MINUTE format code has already been provided.

| Action | Delete the duplicate MINUTE format code. |

5020: Duplicated SECOND format exists.

| Cause | A SECOND format code has already been provided. |
| Action | Delete the duplicate SECOND format code. |

5021: Duplicated fractions of a second format exists.

| Cause | A fractions of a second format code has already been provided. |
| Action | Delete the duplicate fraction of a second format code. |

5022: Duplicated AD/BC format exists.

| Cause | An AD/BC format code has already been provided. |
| Action | Delete the duplicate AD/BC format code. |

5023: Duplicated AM/PM format exists.

| Cause | An AM/PM format code has already been provided. |
| Action | Delete the duplicate AM/PM format code. |

5024: Month conflicts with Julian date.

| Cause | DDD format code and month-related format code cannot be used together. |
| Action | Delete the month-related format code to use the DDD format code. |

5025: Day of the month conflicts with Julian date.

| Cause | DDD format code and date-related format code cannot be used together. |
| Action | Delete the date-related format code to use the DDD format code. |

5026: Hour of the day conflicts with seconds in the day.

Cause	SSSSS format code and hour-related format code cannot be used together.
Action	Delete the hour-related format code to use the SSSSS format code.

5027: Minutes of the hour conflicts with seconds in the day.

Cause	SSSSS format code and minute-related format code cannot be used together.
Action	Delete the minute-related format code to use the SSSSS format code.

5028: Seconds of the minute conflicts with seconds in the day.

Cause	SSSSS format code and second-related format code cannot be used together.
Action	Delete the second-related format code to use the SSSSS format code.

5029: Invalid year value: must be a non-zero integer between -4713 and +9999.

Cause	Invalid value specified for the year.
Action	Enter a non-zero integer value between -4713 and +9999.

5030: Invalid month value.

Cause	Invalid value specified for the month.
Action	Enter an integer value between 1 and 12.

5031: Invalid month name.

Cause	Invalid value specified for the month name.
Action	Enter a valid month name.

5032: Invalid day value.

Cause	Invalid value specified for the day name.
Action	Enter a valid day name.

5033: Invalid hour value.

Cause	Invalid value specified for the hour.
Action	Enter an integer value between 0 and 23.

5034: Invalid minute value.

Cause	Invalid value specified for the minutes.
Action	Enter an integer value between 0 and 59.

5035: Invalid second value.

Cause	Invalid value specified for the seconds.
Action	Enter an integer value between 0 and 60.

5036: Invalid fractions of a second value.

Cause	Invalid value specified for the fractions of a second.
Action	Enter an integer value between 0 and 999999999.

5037: Invalid AD/BC value.

Cause	Invalid value specified for AD/BC.
Action	Enter a valid value for AD/BC.

5038: Invalid AM/PM value.

Cause	Invalid value specified for AM/PM.

Action	Enter a valid value for AM/PM.

5039: Signed year cannot be used with AD/BC.

Cause	The signed year format cannot be used with the AD/BC format.
Action	Delete one of the two formats to make a valid format string.

5040: HH24 cannot be used with AM/PM.

Cause	The HH24 format cannot be used with the AM/PM format simultaneously.
Action	Delete one of the two formats to make a valid format string.

5041: Invalid format for fractions of a second.

Cause	The precision for fractions of a second in TIMESTAMP and TIME is invalid in the format string.
Action	Check that the precision is between 0 and 9.

5042: Invalid decimal input.

Cause	Invalid value specified for decimal.
Action	Enter a valid decimal number ('.').

5043: Invalid seconds of the day input.

Cause	Invalid value was entered in SSSSS format.
Action	Enter an integer value between 0 and 86400.

5044: Insufficient space in string buffer for DATETIME type.

Cause	The buffer is not large enough to convert the DATETIME type to a string.
Action	Increase the buffer size.

5045: Only TIME format can be omitted.

Cause	All format codes except hour/minute/second/fraction of a second are omitted from the input string.
Action	Input valid values for the format codes or delete the formats.

5046: Day of the year must be between 1 and 365 (366 for leap year).

Cause	Invalid value specified for a day of the year
Action	Enter an integer value between 1 and 366.

5047: Invalid day name.

Cause	Invalid value specified for a day of the week
Action	Enter a valid value for a day of the week.

5048: Too many truncation format specifiers.

Cause	More than one truncate format code is set.
Action	Enter only one format code.

5049: Too many round-up format specifiers.

Cause	More than one round-up format code is set.
Action	Enter only one format code.

5050: Invalid use of the escape character.

Cause	Invalid use of the escape character.
Action	Check the search pattern string of LIKE function.

5051: Invalid hexadecimal number.

Cause	The given character is not a valid hexadecimal number.
Action	Check the character to be converted to hexadecimal number.

5052: Invalid string sequence.

Cause	The character is not included in the given character set.
Action	Check the input string and character set.

5053: Invalid Unicode.

Cause	Invalid Unicode.
Action	Check the input string.

5054: Not implemented.

Cause	Unsupported format string.
Action	Check the input format string.

5055: Invalid type of UNIT used for INTERVAL.

Cause	Invalid UNIT type for the INTERVAL type that was entered.
Action	Check the UNIT type.

5056: Invalid input string for INTERVAL.

Cause	An error occurred while converting the input string to INTERVAL type.
Action	Check the input string.

5057: Invalid input precision for interval

Cause	Invalid leading precision value.

Action	Check the leading precision value.

5058: Invalid precision value for fractions of a second.

Cause	Invalid precision value for fractions of a second.
Action	Enter a valid precision value for fractions of a second.

5059: Invalid INTERVAL format.

Cause	Unsupported interval format string
Action	Check the input format string.

5060: Month value is out of range.

Cause	Value of months in YEAR-TO-MONTH INTERVAL type is out of range.
Action	Enter a valid month value.

5061: Hour value is out of range.

Cause	Value of hours in DAY-TO-SECOND INTERVAL type is out of range.
Action	Enter a valid hour value.

5062: Minutes value is out of range.

Cause	Value of minutes in DAY-TO-SECOND INTERVAL type is out of range.
Action	Enter a valid minutes value.

5063: Seconds value is out of range.

Cause	Value of seconds in DAY-TO-SECOND INTERVAL type is out of range.
Action	Enter a valid seconds value.

5064: INTERVAL exceeds given precision value.

Cause	The INTERVAL value does not match the given precision value.
Action	Correct the values and try again.

5065: Divide by zero error.

Cause	The INTERVAL type was divided by 0.
Action	Modify the expression to remove the error.

5066: Insufficient space in buffer for conversion.

Cause	The buffer is not large enough to convert the INTERVAL type into string.
Action	Increase the buffer size.

5067: Output was altered or truncated to fit into buffer, resulting in a possible loss of precision.

Cause	The buffer is not large enough to contain the results of the converted string.
Action	Increase the buffer size.

5068: Overflow error.

Cause	Overflow occurred as a result of operation.
Action	Decrease the value of an operand.

5069: Underflow error.

Cause	Underflow occurred as a result of operation.
Action	Increase the value of an operand.

5070: Divide by zero error.

Cause	The NUMBER type was divided by 0.
Action	Modify the expression to remove the error.

5071: NUMBER exceeds given precision.

Cause	The NUMBER value does not match the given precision value.
Action	Correct the values and try again.

5072: Failure converting NUMBER to or from a native type.

Cause	An error occurred while converting the NUMBER value.
Action	Check that the value is within the appropriate range.

5073: Invalid NUMBER provided for the operation.

Cause	An invalid NUMBER value was entered for the operation or function.
Action	Change the value and try again.

5074: Given string does not represent a number in proper format.

Cause	The given string does not represent a proper number.
Action	Check the type of string.

5075: Invalid format string.

Cause	Invalid format string.
Action	Correct the format string.

5076: NUMBER is not printable in this format; numbers were filled in output buffer.

Cause	The NUMBER value does not match the given format.
Action	Modify the NUMBER value or format string.

5077: NUMBER precision is out of range.

Cause	The precision of the NUMBER type is out of range.
Action	Specify a precision value for the NUMBER type between 1 and 38.

5078: NUMBER scale is out of range.

Cause	The scale of the NUMBER type is out of range.
Action	Specify a scale value for the NUMBER type between -125 and +130.

5079: Data type length is out of range.

Cause	The length is out of range.
Action	Modify the length to the one that is defined for each type.

5080: Invalid ROWID.

Cause	Invalid ROWID
Action	Choose a valid ROWID.

5081: Invalid ROWID segment info.

Cause	Invalid ROWID segment information.
Action	Enter valid segment information for the ROWID.

5082: Invalid ROWID file.

Cause	Invalid ROWID file information.
Action	Enter valid file information for the ROWID.

5083: Invalid ROWID block.

Cause	Invalid ROWID block information.
Action	Enter valid block information for the ROWID.

5084: Invalid ROWID row.

Cause	Invalid ROWID row information.
Action	Enter valid row information for the ROWID.

5085: Invalid IP string.

Cause	Invalid IP string.
Action	Check the input IP string.

5086: String buffer is too small for string conversion or copy.

Cause	The string buffer is too small to handle the task.
Action	Check the size of the input string.

5087: The date value is out of range.

Cause	The date value of the YEAR-TO-MONTH INTERVAL type is out of range.
Action	Enter a valid date value.

5088: Numeric digits are not matched.

Cause	The number of digits of a given number and the length of the datetime format are not matched.
Action	Use the same number of digits as the length of the datetime format.

5089: Punctuation characters are not matched.

Cause	The character of a given punctuation mark does not match the character of the datetime format.
Action	Use the same character as that of the datetime format.

5090: Not a numeric value.

Cause	Cannot use a character for numeric data.
Action	Use numeric data.

5091: Invalid timezone format.

Cause	Invalid timezone format is used for the TIMESTAMP type.
Action	Verify that you have entered a valid timezone format.

5092: Duplicate TZH format.

Cause	The TZH format code already exists.
Action	Delete the duplicated timezone (hour) format code.

5093: Duplicate TZM format.

Cause	The TZM format code already exists.
Action	Delete the duplicated timezone (minute) format code.

5094: Duplicate TZR format.

Cause	The TZR format code alreay exists.
Action	Delete the duplicated timezone (region) format code.

5095: Duplicate TZD format.

Cause	The TZD format code already exists.
Action	Delete the duplicated timezone (abbreviation) format code.

5096: TZR/TZD format conflicts with TZH/TZM format.

Cause	timezone region format cannot be used with timezone time format.
Action	Delete the region format.

5097: TZH/TZM format conflicts with TZR/TZD format.

Cause	timezone time format cannot be used with timezone region format.
Action	Delete the time format.

5098: Invalid hour value of UTC offset.

Cause	The hour value of UTC offset must be between -12 and 14.
Action	Verify that you have entered a valid hour value of UTC offset.

5099: Invalid minute value of UTC offset.

Cause	The minute value of UTC offset must be between 0 and 59.
Action	Verify that you have entered a valid minute value of UTC offset.

5100: Invalid second value of UTC offset.

Cause	The second value of UTC offset must be between 0 and 59.

Action	Verify that you have entered a valid second value of UTC offset.

5101: Invalid hour value of daylight saving time.

Cause	The hour value of daylight saving time must be between 0 and 24.
Action	Verify that you have entered a valid hour value of daylight saving time.

5102: Invalid minute value of daylight saving time.

Cause	The minute value of daylight saving time must be between 0 and 59.
Action	Verify that you have entered a valid minute value of daylight saving time.

5103: Invalid timezone offset.

Cause	The timezone offset value must be in the format of '[
Action	-]hh:mm'.

5104: Invalid timezone region value.

Cause	The timezone region value is invalid or unsupported.
Action	Verify that you have entered a valid timezone region value.

5105: Invalid timezone index '%1$d'.

Cause	The timezone index value is not supported.
Action	Contact the technical support team.

5106: Invalid timezone hour value.

Cause	The timezone hour value is invalid.
Action	Verify that you have entered a valid timezone hour value.

5107: Invalid timezone minute value.

Cause	The timezone minute value if invalid.
Action	Verify that you have entered a valid timezone minute value.

5108: Invalid timezone region value.

Cause	The timezone region value is invalid.
Action	Verify that you have entered a valid timezone region value.

5109: Invalid timezone abbreviation value.

Cause	The timezone abbreviation value is invalid.
Action	Verify that you have entered a valid timezone abbreviation value.

5110: Invalid date/time period according to the daylight saving time rule.

Cause	The date/time period is invalid according to the daylight saving time rule.
Action	Check the daylight saving time rule.

6001: Internal error: DD search failed.

Cause	Failed to search DD (Data Dictionary) due to an internal error.
Action	Contact the technical support team.

6002: Synonym translation is no longer valid.

Cause	The target schema or object does not exist.
Action	Change the definition of the synonym so that the synonym refers to a valid object.

6003: Sequence \"%1$s\" has not been accessed in this session: no CURRVAL available.

Cause	CURRVAL cannot be used since the indicated sequence has not been used in the current session.
Action	CURRVAL can be used only after NEXTVAL has been used in the same session.

6004: Sequence \"%1$s\" has exceeded its available range.

Cause	All values available in sequence are already used.
Action	Modify the range of the sequence by using an ALTER SEQUENCE statement.

6005: DB data dictionary version does not match binary DD version.

Cause	The version of the DD in the DB is different from the version of DD in the binary.
Action	The binary cannot be used in the database.

6006: ALTERDD must be run on data dictionary.

Cause	The ALTERDD process must be run to use the DD as the binary.
Action	Execute the ALTERDD process to change DD.

6007: Table \"%1$s\" cannot be loaded because the size of the constraints on the table is too large.

Cause	The size of the constraints on the table is too large.
Action	Check if the table has unnecessary constraints. If it has, drop them.

7001: General syntax error

Cause	Syntax error occurred.
Action	Correct the SQL statement.

7002: Unsupported DDL.

Cause	Unsupported DDL (Data Definition Language).
Action	The statement cannot be executed.

7003: The SQL statement is not valid DDL.

Cause	The statement is not valid DDL.
Action	The statement cannot be executed.

7004: This DDL statement is not permitted in the current boot mode.

Cause	In the current boot mode, this DDL cannot be executed.
Action	Change the boot mode and run the DDL statement again.

7005: Missing right parenthesis at line %1$d, column %2$d.

Cause	The right parenthesis is missing.
Action	Check parentheses and try again.

7006: Filename is too long. %1$s.

Cause	The specified filename is too long.

Action	Use a shorter filename and try again.

7007: The specified value is out of range.

Cause	The specified value is either too small or too large.
Action	Specify a valid value and try again.

7008: START WITH is not allowed for ALTER sequences.

Cause	The START WITH option was specified for an ALTER sequence.
Action	The START WITH option is allowed only for CREATE sequences.

7009: Maximum number of columns was exceeded.

Cause	The number of columns exceeds the maximum number allowed.
Action	Specify a number of columns less than the maximum.

7010: Unable to grant privileges other than INSERT, REFERENCE, UPDATE on column.

Cause	A column privilege was granted to an operation other than INSERT, REFERENCE or UPDATE.
Action	The privilege cannot be granted.

7011: Number of specified files and target files do not match.

Cause	The number of specified files is different from the number of target files.
Action	Ensure that the numbers of files match.

7012: Log group number is invalid.

Cause	The specified log group number is invalid.

Action	Specify a valid log group number.

7013: This option cannot be specified.

Cause	The specified option is invalid.
Action	Specify a valid option.

7014: A filename is required for this DDL statement.

Cause	The filename is not specified.
Action	Specify a valid filename.

7015: Duplicate FORCE LOGGING clause exists.

Cause	A duplicate FORCE LOGGING clause exists.
Action	Delete the duplicate clause.

7016: Duplicate LOGGING clause exists.

Cause	A duplicate LOGGING clause exists.
Action	Delete the duplicate clause.

7017: Duplicate PCTFREE setting exists.

Cause	A duplicate PCTFREE setting exists.
Action	Delete the duplicate setting.

7018: Duplicate INITRANS setting exists.

Cause	A duplicate INITRANS setting exists.
Action	Delete the duplicate setting.

7019: Duplicate STORAGE clause exists.

Cause	A duplicate STORAGE clause exists.
Action	Delete the duplicate clause.

7020: Duplicate MINEXTENTS setting exists.

Cause	A duplicate MINEXTENTS setting exists.
Action	Delete the duplicate setting.

7021: Duplicate MAXEXTENTS setting exists.

Cause	A duplicate MAXEXTENTS setting exists.
Action	Delete the duplicate setting.

7022: Duplicate EXTENT MANAGEMENT clause exists.

Cause	A duplicate EXTENT MANAGEMENT clause exists.
Action	Delete the duplicate clause.

7023: Duplicate ENABLE or DISABLE clause exists on a constraint.

Cause	A duplicate ENABLE or DISABLE clause exists.
Action	Delete the duplicate clause.

7024: Duplicate USING INDEX clause exists.

Cause	A duplicate USING INDEX clause exists.
Action	Delete the duplicate clause.

7025: Duplicate NULL or NOT NULL setting exists.

Cause	A duplicate NULL or NOT NULL setting exists.

Action	Delete the duplicate setting.

7026: Duplicate primary key exists.

Cause	A duplicate primary key exists.
Action	Delete the duplicate.

7027: Duplicate unique key exists.

Cause	A duplicate unique key exists.
Action	Delete the duplicate.

7028: Duplicate ENABLE IN ROW or DISABLE IN ROW setting exists.

Cause	A duplicate ENABLE or DISABLE IN ROW setting exists.
Action	Delete the duplicate setting.

7029: Duplicate CHUNK SIZE setting exists.

Cause	A duplicate CHUNK SIZE setting exists.
Action	Delete the duplicate setting.

7030: Duplicate USER SYS clause exists.

Cause	A duplicate USER SYS clause exists.
Action	Delete the duplicate clause.

7031: Duplicate MAXLOGGROUPS setting exists.

Cause	A duplicate MAXLOGGROUPS setting exists.
Action	Delete the duplicate setting.

7032: Duplicate MAXLOGMEMBERS setting exists.

Cause	A duplicate MAXLOGMEMBERS setting exists.
Action	Delete the duplicate setting.

7033: Duplicate MAXDATAFILES setting exists.

Cause	A duplicate MAXDATAFILES setting exists.
Action	Delete the duplicate setting.

7034: Duplicate NATIONAL CHARACTER SET setting exists.

Cause	A duplicate NATIONAL CHARACTER SET setting exists.
Action	Delete the duplicate setting.

7035: Duplicate ARCHIVELOG or NOARCHIVELOG setting exists.

Cause	A duplicate ARCHIVELOG or NOARCHIVELOG setting exists.
Action	Delete the duplicate setting.

7036: Cannot mix a log group definition that specifies a group number with a definition that does not.

Cause	A definition that specifies a log group number cannot be used with one that does not specify a log group number.
Action	To specify a log group number, ensure log group definitions are not mixed-type.

7037: Duplicate ONLINE or OFFLINE clause exists.

Cause	A duplicate ONLINE or OFFLINE clause exists.
Action	Delete the duplicate clause.

7038: Duplicate TABLESPACE setting exists.

Cause	A duplicate TABLESPACE setting exists.
Action	Delete the duplicate setting.

7039: Unspecified column type.

Cause	A column type was omitted.
Action	Specify a column type.

7040: Unspecified column definition.

Cause	The column definition was omitted.
Action	Specify the definition.

7041: Too many LONG columns are specified.

Cause	More than two LONG-type columns are specified in one table.
Action	Specify only one LONG-type column.

7042: New column cannot be added to this table.

Cause	The table has a LONG type column or the number of columns in the table is at the maximum.
Action	Unable to add a new column.

7043: Specified number of columns does not match number of subquery columns.

Cause	The number of specified columns is different from the number of columns in subquery.
Action	Ensure that the numbers of columns match.

7044: Column datatypes cannot be specified with a subquery.

Cause	Cannot specify a column data type with a subquery.
Action	Do not specify a data type.

7045: A column contains a NULL value: cannot create or enable the constraint.

Cause	A column contains a NULL value; NOT NULL or primary key cannot be created.
Action	Check columns for NULL values.

7046: Duplicate INCREMENT BY setting exists.

Cause	A duplicate INCREMENT setting exists.
Action	Delete the duplicate setting.

7047: Duplicate START WITH setting exists.

Cause	A duplicate START WITH setting exists.
Action	Delete the duplicate setting.

7048: Duplicate MAXVALUE or NOMAXVALUE setting exists.

Cause	A duplicate MAXVALUE or NOMAXVALUE setting exists.
Action	Delete the duplicate setting.

7049: Duplicate MINVALUE or NOMINVALUE setting exists.

Cause	A duplicate MINVALUE or NOMINVALUE setting exists.
Action	Delete the duplicate setting.

7050: Duplicate CYCLE or NOCYCLE setting exists.

Cause	A duplicate CYCLE or NOCYCLE setting exists.
Action	Delete the duplicate setting.

7051: Duplicate CACHE or NOCACHE setting exists.

Cause	A duplicate CACHE or NOCACHE setting exists.
Action	Delete the duplicate setting.

7052: New password is invalid.

Cause	The new password is invalid.
Action	Specify a valid password.

7053: Password is too long: maximum %1$d characters allowed.

Cause	The password is too long.
Action	Use a shorter password.

7054: Invalid password was entered.

Cause	The previous password was not entered or was invalid.
Action	Recheck the previous password and check that permission to use ALTER USER statements is granted.

7055: Encrypted password is invalid.

Cause	The encrypted password is invalid.
Action	Use a password that is encrypted in a valid style.

7056: Duplicate password exists.

Cause	A duplicate password exists.
Action	Delete the duplicate setting.

7057: Duplicate REPLACE old password statement exists.

Cause	A duplicate REPLACE old password statement exists.
Action	Delete the duplicate setting.

7058: Duplicate DEFAULT TABLESPACE setting exists.

Cause	A DEFAULT TABLESPACE setting exists.
Action	Delete the duplicate setting.

7059: Duplicate DEFAULT ROLE clause exists.

Cause	A duplicate DEFAULT ROLE clause exists.
Action	Delete the duplicate clause.

7060: Duplicate PASSWORD EXPIRE setting exists.

Cause	A duplicate PASSWORD EXPIRE setting exists.
Action	Delete the duplicate setting.

7061: Duplicate ACCOUNT_LOCK setting exists.

Cause	A duplicate ACCOUNT_LOCK setting exists.
Action	Delete the duplicate setting.

7062: DROP option cannot be used if datafile is online.

Cause	The online datafile cannot be dropped.

Action	Execute the OFFLINE FOR DROP option first.

7063: END BACKUP option cannot be used for a tempfile.

Cause	The END BACKUP option cannot be used for a temporary file.
Action	Unable to execute.

7064: File \'%1$s\' was not found in this database.

Cause	The file was not found in the current database.
Action	Specify a valid file name.

7065: File number %1$d was not found in this database.

Cause	The file was not found in the current database.
Action	Specify a valid file number.

7066: A log member clause was expected.

Cause	The log member clause was omitted.
Action	Specify the log member clause.

7067: Specified database name \'%1$s\' does not match parameter database name in tip file \'%2$s\'.

Cause	The specified database name does not match the database name specified in the parameter file.
Action	Match with information in the parameter file. Distinguish but only when using double quotation marks.

7068: Specified schema \'%1$s\' was not found.

Cause	The specified schema was not found.

Action	Specify a valid schema name.

7069: Specified user \'%1$s\' was not found.

Cause	The specified user was not found.
Action	Specify a valid user name.

7070: Specified role \'%1$s\' was not found.

Cause	The specified role was not found.
Action	Specify a valid role.

7071: Schema object \'%1$s.%2$s\' was not found or is invalid.

Cause	The specified object was not found or is an invalid type.
Action	Specify a valid object name.

7072: Specified column \'%1$s\' was not found or is invalid.

Cause	The specified column was not found or is invalid type column.
Action	Specify a valid column name.

7073: Specified tablespace \'%1$s\' was not found.

Cause	The specified tablespace does not exist.
Action	Specify a valid tablespace name.

7074: Specified tablespace \'%1$s\' cannot be used as a user\'s default tablespace.

Cause	The specified tablespace cannot be used for a default tablespace.
Action	Specify a different tablespace name.

7075: Specified role \'%1$s\' was not found.

Cause	The specified role does not exist.
Action	Specify a valid role.

7076: Specified constraint \'%1$s\' was not found.

Cause	The specified constraint does not exist.
Action	Specify a valid constraint name.

7077: Specified target of grant \'%1$s\' does not exist.

Cause	The specified grantee does not exist.
Action	Specify a valid target name.

7078: Specified target of revoke \'%1$s\' does not exist.

Cause	The specified revokee does not exist.
Action	Specify a valid target name.

7079: Duplicate column name \'%1$s\' exists.

Cause	A duplicate column name exists.
Action	Use a unique column name.

7080: Specified column \'%1$s\'.\'%2$s\' must be empty before changing datatypes.

Cause	In order to change the column datatype, all columns must be empty.
Action	Clear all columns.

7081: Specified column \'%1$s\'.\'%2$s\' must be empty before reducing column length.

Cause	Column lengths cannot be reduced if the column is not empty.
Action	Make the columns null.

7082: Duplicate segment name \'%1$s\' exists.

Cause	A duplicate segment name exists.
Action	Use a unique segment name.

7083: Duplicate constraint name \'%1$s\' exists.

Cause	A duplicate constraint name exists.
Action	Use a unique constraint name.

7084: Expression requires a column alias.

Cause	The expression requires a column alias.
Action	Specify a column alias.

7085: Number of column aliases does not match the number of required columns.

Cause	The number of aliases is different from the number of required columns.
Action	Specify a valid number of aliases.

7086: An index cannot be created from columns of type LONG, LONG RAW, or LOB.

Cause	An index cannot be be made of LONG, LONG RAW or LOB type columns.
Action	Unable to execute.

7087: \'%1$s\' is not a table or view so it can not have columns.

Cause	The object does not have columns.
Action	Check again.

7088: Duplicate grant target name \'%1$s\' exists.

Cause	A duplicate grantee name exists.
Action	Delete the duplicate grantee name.

7089: Duplicate revoke target name \'%1$s\' exists.

Cause	A duplicate revokee name exists.
Action	Delete the duplicate revokee name.

7090: Duplicate privilege exists.

Cause	A duplicate privilege exists.
Action	Delete the duplicate privilege.

7091: Duplicate role \'%1$s\' exists.

Cause	A duplicate role exists.
Action	Delete the duplicate role.

7092: LONG column type cannot be specified in this statement.

Cause	In the CREATE TABLE AS SELECT statement, the LONG type column cannot be specified.
Action	Do not specify a LONG type column.

7093: Synonym cannot have the same name as its target.

Cause	The synonym and its target have the same name.

Action	Try a different synonym.

7094: Unable to decrease column size: a value in the column is too long.

Cause	The data in the existing column is too long.
Action	Specify a column size larger than the length of the data in the existing column.

7095: Unable to create a unique filename.

Cause	Unable to create a new file name.
Action	Change the directory or check to see if the name of the directory is too long.

7096: Unable to create a unique object name.

Cause	Unable to create a new object name.
Action	Avoid any names used internally by DBMS server.

7097: Duplicate filename \'%1$s\' exists.

Cause	A file with that name already exists.
Action	Specify another file name.

7098: Duplicate tablespace \'%1$s\' exists.

Cause	A tablespace with that name already exists.
Action	Specify another tablespace name.

7099: Duplicate partition name \'%1$s\' exists.

Cause	A partition with that name already exists.
Action	Specify another partition name.

7100: Username \'%1$s\' conflicts with another user or role name.

Cause	A role or username with that name already exists.
Action	Specify another username.

7101: Role name \'%1$s\' conflicts with another user or role name.

Cause	A role or username with that name already exists.
Action	Specify another role name.

7102: Duplicate schema object \'%1$s.%2$s\' exists.

Cause	A schema object with that name already exists.
Action	Specify another object name.

7103: Column name \'%1$s\' is already used in the table.

Cause	A column with that name already exists.
Action	Specify another column name.

7104: Constraint name \'%1$s\' is already used or is duplicated in the SQL statement.

Cause	The specified constraint name is already being used.
Action	Specify another constraint name.

7105: Unable to rebuild the index of a temporary table.

Cause	An attempt was made to rebuild the index of the temporary table.
Action	It is impossible to rebuild the index of a temporary table.

7106: Size of next extent is out of range.

Cause	The specified size for the new extent is either too small or too large.
Action	Specify a valid size for the new extent.

7107: File size is out of range.

Cause	The specified file size is either too small or too large.
Action	Specify a valid file size.

7108: INITRANS value is out of range.

Cause	The value of INITRANS is either too small or too large.
Action	Specifiy an integer value between 1 and 255.

7109: PCTFREE value is out of range.

Cause	The value of PCTFREE is either too small or too large.
Action	Specify an integer value between 0 and 99.

7110: MAXDATAFILES value is out of range.

Cause	The value of MAXDATAFILES is either too small or too large.
Action	The number of MAXDATAFILES should be between 10 and 65533.

7111: MAXLOGGROUPS (MAXLOGFILES) must be between 2 and %1$d (inclusive).

Cause	The value of MAXLOGGROUPS is invalid.
Action	Specify a new value for MAXLOGGROUPS.

7112: MAXLOGMEMBERS must be less than %1$d.

Cause	The value of MAXLOGMEMBERS is invalid.
Action	Specify a new value for MAXLOGMEMBERS.

7113: Invalid next extent size or max extent size.

Cause	The next or max extent size is invalid.
Action	Specify a valid extent size.

7114: Specified CHARACTER SET is not supported.

Cause	Unsupported character set.
Action	Specify a supported character set.

7115: Log file size is out of range.

Cause	The specified log file size is either too small or too large.
Action	Specify a log file size between 512 KB and 1GB.

7116: Invalid data type for default expression.

Cause	The data type of the default expression is invalid.
Action	Specify a valid expression data type.

7117: Unable to create segment in temporary tablespace.

Cause	A segment could not be created in a temporary tablespace.
Action	Specify a valid tablespace.

7118: Unable to create segment in undo tablespace.

Cause	A segment could not be created in a undo tablespace.

Action	Specify a valid tablespace.

7119: Object does not fit into tablespace.

Cause	Permanent objects cannot be created in a temp DB; temp objects cannot be created in a permanent DB.
Action	Recheck the object.

7120: Unable to define foreign key for temporary table.

Cause	Unable to define foreign key constraint for columns of a global temporary table.
Action	Unable to execute this command.

7121: This clause cannot be specified for the temporary table.

Cause	Tried to specify an invalid clause for the global temporary table.
Action	Unable to execute this command.

7122: Circular view detected.

Cause	The view referred to itself or the view reference object referred to the view.
Action	Delete circular references from the view definition.

7123: Too many columns in the index.

Cause	There are more than 32 columns in the index.
Action	Reduce the number of columns in the index to 32 or less.

7124: Duplicate index exists.

Cause	The specified index already exists.
Action	Unable to execute this command.

7125: Maximum key length (%1$u) exceeded.

Cause	The index key length exceeds the maximum length.
Action	Decrease the length of index key by reducing the number of columns in the index.

7126: Unable to alter or drop a LOB index.

Cause	An ALTER or DROP statement cannot be used in an LOB index.
Action	Unable to execute.

7127: Unable to drop the system tablespace.

Cause	System tablespaces cannot be dropped.
Action	Unable to execute this command.

7128: Unable to drop default temporary or undo tablespaces.

Cause	The default temporary or default undo tablespaces cannot be dropped.
Action	Unable to execute this command.

7129: Segments still exist in the specified tablespace.

Cause	Segments still exist in the tablespace to be dropped.
Action	Set the INCLUDING option, or drop the segment and retry.

7130: Unable to drop a user's default tablespace.

Cause	The tablespace to be dropped is the default tablespace for a user.
Action	Change the user's default tablespace with ALTER USER and retry.

7131: User's default tablespace is invalid.

Cause	A tablespace for the user does not exist.

Action	Specify the default tablespace for ALTER USER.

7132: Unable to drop the (sub)partitions.

Cause	One of the partitions in the table belongs to another tablespace.
Action	Drop the partitioned table and retry.

7133: The sequence INCREMENT must be a non-zero value.

Cause	INCREMENT may not be 0.
Action	Specify a valid INCREMENT value.

7134: The next (start) value of the sequence is out of range.

Cause	The next or start value of the sequence must be between MINVALUE and MAXVALUE.
Action	Specify the MINVALUE and MAXVALUE.

7135: In descending sequences, CYCLE option must be used with MINVALUE.

Cause	The CYCLE option should be used with MINVALUE.
Action	Specify a MINVALUE.

7136: In ascending sequences, CYCLE option must be used with MAXVALUE.

Cause	The CYCLE option should be used with MAXVALUE.
Action	Specify a MAXVALUE.

7137: MINVALUE must be less than MAXVALUE.

Cause	MINVALUE must be less then MAXVALUE.

Action	Set MINVALUE to be smaller than MAXVALUE.

7138: Unable to drop the system user.

Cause	The system user cannot be dropped.
Action	Unable to execute this command.

7139: Cascade is required to remove this user from the system.

Cause	If objects owned by the user still exist, the user cannot be removed.
Action	Specify the cascade option, or drop the objects and try again.

7140: Specified object is not partitioned.

Cause	The requested object is not partitioned.
Action	Check whether the specified object is valid.

7141: Specified partition \'%1$s\' does not exist.

Cause	The requested partition does not exist.
Action	Check whether the specified object is valid.

7142: Last partition cannot be dropped.

Cause	The last partition cannot be dropped.
Action	Unable to execute.

7143: Too many columns in a constraint.

Cause	There are more than 32 columns in the constraint.
Action	Reduce the number of columns in the constraint to 32 or less.

7144: Referenced key does not exist.

Cause	The constraint for that reference does not exist.
Action	Specify a valid constraint.

7145: Primary/unique is not specified for the table.

Cause	The constraint on the key is not specified.
Action	Specify a valid constraint.

7146: Specified column type cannot be a constraint.

Cause	The specified column cannot be used as a constraint.
Action	Specify a valid column.

7147: A table can have only one primary key.

Cause	A table may have only one primary key.
Action	Specify one primary key.

7148: Duplicate unique or primary key exists.

Cause	A unique or primary key with that name already exists.
Action	Delete the duplicate constraint.

7149: Duplicate referential key exists.

Cause	A reference key with that name already exists.
Action	Delete the duplicate constraint.

7150: Duplicate NOT NULL constraint exists.

Cause	A NOT NULL constraint with that name already exists.

Action	Delete the duplicate constraint.

7151: Unable to use existing index as a constraint for a new object.

Cause	The existing index cannot be used as a constraint for a new object.
Action	Specify another index.

7152: Indexes are unneccesary for some constraints.

Cause	An index was specified for a constraint which does not require an index.
Action	Retry without specifying an index.

7153: Index already exists for another object.

Cause	The specified index already exists for another object.
Action	Specify another index.

7154: Column(s) of the specified index do not match that (those) of the new constraint.

Cause	Columns in the specified index do not match with those of the constraint.
Action	Specify another index.

7155: Only NULL or NOTNULL constraints are available for MODIFY COLUMN statement.

Cause	For the MODIFY COLUMN statement, only NULL or NOT NULL can be specified.
Action	Unable to execute this command.

7156: Referenced by foreign keys.

Cause	Referred by other reference constraint.

| Action | Specify the CASCADE CONSTRAINTS clause and retry. |

7157: Specified column is already NULL.

| Cause | The column is already specified as NULL. |
| Action | Unable to execute this command. |

7158: Unable to set specified column to NULL.

| Cause | The specified column cannot be NULL. |
| Action | Make sure that the column is not specified as containing primary keys. |

7159: Number of local index partitions does not match the number of table partitions.

| Cause | The specified number of local index partitions is different from the number of partitions in the table. |
| Action | Specify the valid number of partitions. |

7160: Unable to create local partitioned index for non-partitioned table.

| Cause | Unable to create a local partition index for a non-partitioned table. |
| Action | Unable to execute this command. |

7161: Unable to validate (%1$s.%2$s): constraint violated.

| Cause | The table has a row which violates one or more constraints. |
| Action | Modify the row or change the constraint state. |

7162: Unable to activate (%1$s.%2$s): referenced key is not enabled.

Cause	The referenced key is disabled; therefore, the foreign key is not available.
Action	Enable the referenced key first.

7163: Specified partition values are incorrect.

Cause	The specified partition value is invalid.
Action	Specify a valid partition value.

7164: Indexes that are used as primary/unique key constraints cannot be dropped.

Cause	Indexes used as primary/unique key constraints cannot be dropped.
Action	Unable to execute this command.

7165: Unable to drop a user that is currently connected.

Cause	A connected user cannot be dropped.
Action	Disconnect the user and try again.

7166: Unable to grant privileges or roles to oneself.

Cause	Privileges and roles cannot be granted to oneself.
Action	Unable to execute this command.

7167: Roles cannot be granted to themselves.

Cause	Roles cannot be granted to themselves.
Action	Unable to execute this command.

7168: Unable to revoke privileges or roles from oneself.

Cause	Unable to revoke one's own privileges or roles.
Action	Unable to execute this command.

7169: Role has not been granted to the user.

Cause	Unable to revoke a role that has not been granted.
Action	Specify a role that has been granted and try again.

7170: Object privilege has not been granted to the user.

Cause	Unable to revoke an object privilege that has not been granted.
Action	Specify a privilege that has been granted and try again.

7171: System privilege has not been granted to user.

Cause	Unable to revoke a system privilege that has not been granted.
Action	Specify the granted system privilege and execute it.

7172: Unable to revoke a privilege granted by another user.

Cause	Unable to revoke a privilege granted by another user.
Action	Receive the privilege to do this first and then revoked the user's privilege.

7173: Circular role grant detected.

Cause	Roles cannot be granted circularly.
Action	Delete the circular GRANT option.

7174: Unable to grant privileges to a role with GRANT option

Cause	Roles cannot be specified when using the GRANT option.

Action	Unable to execute this command.

7175: There is no privilege to grant.

Cause	No privilege to grant.
Action	Specify a privilege to grant.

7176: The ADMIN option can only be specified for system privileges or roles.

Cause	The ADMIN option can be specified only for system privileges or roles.
Action	Use the GRANT option instead of the ADMIN option.

7177: The ADMIN OPTION can only be specified for system privileges.

Cause	The ADMIN option can be specified only for system privileges.
Action	Use the GRANT option instead of the ADMIN option.

7178: Specified object privilege is invalid for this object.

Cause	The specified schema object privilege cannot be granted to the object.
Action	Check that a valid privilege or object is specified.

7179: Unable to activate a role \'%1$s\' that has not been granted.

Cause	A role that has not been granted cannot be enabled.
Action	Specify a role that has been granted to you.

7180: Password specified for the role is incorrect.

Cause	Invalid password specified for the role.

Action	Specify a valid password.

7181: Password is necessary to enable the role.

Cause	The password is needed to enable roles.
Action	Enter the password.

7182: Package specification for the body was not found.

Cause	A package specification for the body was not found.
Action	Check whether or not the package specification exists.

7183: Package body is already defined.

Cause	The body is already defined for the package.
Action	Specify OR REPLACE and redefine.

7184: Circular dependency detected.

Cause	The object about to be created or updated is dependent on itself.
Action	Look through the dependencies and modify the source code.

7185: Unable to drop specified undo tablespace.

Cause	The specified undo tablespace cannot be dropped because it does not exist in _CORRUPTEDCORRUPTED_ UNDO_TS.
Action	Specify undo tablespace as _CORRUPTED_UNDO_TS parameter in init file.

7186: Unable to modify objects created by the system.

Cause	Objects made by the system cannot be modified.
Action	Unable to execute this command.

7187: Duplicate parameter specification exists.

Cause	Parameter name is duplicated.
Action	Delete the duplicate name.

7188: Unable to rename objects inside other schema.

Cause	The name of an object belonging to another schema cannot be changed.
Action	Unable to execute this command.

7189: Unable to replace \'%1$s.%2$s\': object is of a different type.

Cause	Unable to replace an object with another of a different type.
Action	Unable to execute this command.

7190: Unable to ALTER/DROP \'%1$s.%2$s\': object is of a different type.

Cause	Unable to ALTER or DROP an object of a different type.
Action	Unable to execute this command.

7191: Unable to execute SET TRANSACTION: transaction has already started.

Cause	Transaction is already started; SET TRANSACTION cannot be executed.
Action	Unable to execute this command.

7192: Failed to load DDL file \'%1$s\'.

Cause	Failed to load a DDL file.
Action	Make sure that the file exists.

7193: Invalid local transaction ID.

Cause	Invalid local transaction ID.
Action	Check that the specified local transaction ID is valid.

7194: Unable to (re-)create system datafile (file #0).

Cause	The first file of a system tablespace cannot be regenerated.
Action	Unable to execute this command.

7195: Update check constraint has \"OR\" node.

Cause	Statements like update A or B cannot be performed.
Action	Unable to execute this command.

7196: Invalid directory path. Please enter the absolute path.

Cause	Invalid directory path.
Action	Enter an absolute path.

7197: Invalid initialization parameter name \'%1$s\'.

Cause	Invalid initialization parameter name.
Action	Recheck the parameter name.

7198: Unable to modify parameter \'%1$s\' dynamically.

Cause	This initialization parameter cannot be modified dynamically.
Action	Restart the server or regenerate the database.

7199: Type mismatch for parameter \'%1$s\': %2$s required.

Cause	The type of initialization parameter required is different from the one defined in DDL.

Action	Recheck the parameter type.

7200: Value of parameter \'%1$s\' is invalid (condition check failed: \'%2$s\').

Cause	This initialization parameter is out of range.
Action	Check the parameter range again.

7201: Parameter \'%1$s\' cannot be modified by ALTER SESSION.

Cause	This initialization parameter cannot be adjusted by sessions.
Action	Use ALTER SYSTEM statements, instead of ALTER SESSION.

7202: Too many partition key columns are specified.

Cause	The number of columns used in a constraint exceeds 32.
Action	Specify a number of columns less than 32.

7203: File \'%1$s\' does not exist or is not accessible.

Cause	File does not exist or is not accessible.
Action	Check file name and permissions.

7204: Requested session may already be closed or may not exist.

Cause	The session is already closed or does not exist.
Action	Check the session name.

7205: %1$s.

Cause	Performs dump.
Action	Normal action.

7206: Specified column is already NOT NULL.

Cause	The specified column is already specified as NOT NULL.
Action	Unable to execute this command.

7207: New identifier required: '%1$s' is a reserved word.

Cause	Reserved words cannot be used as identifiers.
Action	Use another name.

7208: Partition value is too long.

Cause	The length of partition bound value is longer than that of the corresponding partitioning key column.
Action	Ensure that lengths of partition bound values do not exceed those of corresponding partitioning columns.

7209: Duplicate clause exists (type %1$s, previously at line %2$d, column %3$d).

Cause	Duplicate clause was found.
Action	Use only one instance of a clause.

7210: Internal SQL execution failed (%1$s).

Cause	Failed to execute an SQL statement used internally in DDL.
Action	Contact the technical support team.

7212: Unable to create permanent object in a temporary tablespace or temporary object in a permanent tablespace.

Cause	The object about to be created does not match the tablespace type.
Action	Recheck the statement.

7213: Number of log groups or log files exceeds MAXLOGGROUPS or MAXLOGFILES.

Cause	The number of defined log groups or log files is larger than MAXLOGGROUPS or MAXLOGFILES.
Action	Decrease the number of log group or file definitions, or increase the value of MAXLOG GROUPS or MAXLOGFILES.

7214: Number of log members exceeds MAXLOGMEMBERS.

Cause	The number of defined log members is larger than MAXLOGMEMBERS.
Action	Decrease the number of log members or increase the value of MAXLOGMEMBERS.

7215: Too many partitions are specified.

Cause	The number of defined partitions exceeds 10,000.
Action	Reduce the number of partitions to less than 10,000.

7216: MAXSIZE is less than the specified (default) file size.

Cause	The value of MAXSIZE is smaller than the size of the file.
Action	Increase the value of MAXSIZE and the file size.

7217: Unable to disable constraint (%1$s.%2$s). Dependencies exist.

Cause	There are constraints that reference the specified constraint.
Action	Disable or drop the constraints that reference the specified constraint.

7218: Unable to drop active undo tablespace.

Cause	In the undo tablespace, either there are some active transactions or undo retention has not yet finished.

Action	Retry after active transactions and undo retention are finished.

7219: DB link name is too long (maximum of %1$d characters).

Cause	DB link name is too long.
Action	Use a shorter DB link name.

7220: Host name is too long (maximum of %1$d characters).

Cause	Host name is too long.
Action	Use a shorter host name.

7221: Duplicate DB link name \'%1$s\' exists.

Cause	The specified DB link name is already being used.
Action	Specify a different DB link name.

7222: Specified DB link \'%1$s\' does not exist or is an invalid type.

Cause	The specified DB link does not exist or is an invalid type.
Action	Provide a valid DB link name.

7223: DDL operations are not allowed on a remote database.

Cause	DDL cannot be executed in the remote database.
Action	Unable to execute this command.

7224: Specified table \'%1$s\' is of different partition type.

Cause	The partition type of the given table does not match the input statement type.
Action	Correct the partition type and retry.

7225: Global partition index must be prefixed by the partition key column.

Cause	Partition key column of global partition index should come first before index key column.
Action	Adjust the order of index key columns or partition key columns.

7226: Specified subpartition name \'%1$s_%2$s\' is too long (maximum of %3$d characters).

Cause	The specified subpartition name is too long.
Action	Use a shorter partition or subpartition name.

7227: Default partition must be the last partition specified.

Cause	A partition other than the last one (or no partition) was set as the default.
Action	Set the last partition as the default.

7228: DEFAULT cannot be specified with other values.

Cause	DEFAULT cannot be used with the values of other partitions.
Action	Delete the values of other partitions from the default partition.

7229: Duplicate partition \'%1$s\' exists.

Cause	The partition value is duplicated.
Action	Delete the duplicate partition value.

7230: List partitioning allows only a single partitioning key column.

Cause	For list partitioning, only one partitioning column can be specified.
Action	Specify one partitioning column.

7231: Unable to use this clause for an external table.

Cause	Invalid clause is specified for an external table.
Action	Unable to execute this command.

7232: Duplicate option was specified.

Cause	Duplicate option was specified.
Action	Delete the duplicate option and retry.

7233: Unable to drop columns of a SYS-owned table.

Cause	Tables owned by SYS cannot execute DROP COLUMN.
Action	Unable to execute this command.

7234: Unable to drop partitioning key column \'%1$s\'.

Cause	An attempt was made to delete a column that is used as a partitioning key.
Action	Unable to execute this command.

7235: Unable to drop all columns within a table.

Cause	An attempt was made to delete all columns in the table.
Action	Unable to execute this command.

7236: Reference key column \'%1$s\' cannot be dropped.

Cause	An attempt was made to delete the reference key column.
Action	Remove the constraint first, or use CASCADE CONSTRAINTS.

7237: Specified column \'%1$s\' cannot be modified.

Cause	The column is not modifiable.

Action	LOB, LONG, or partitioning key columns are not modifiable. Delete them or add new columns.

7238: Specified column \'%1$s\'.\'%2$s\' must be empty to decrease precision or scale.

Cause	To decrease column's precision or scale, columns of the all existing rows should be NULL.
Action	Set column to NULL.

7239: Referencing or referenced key column \'%1$s\' cannot be modified.

Cause	An attempt was made to modify a referencing or referenced key column.
Action	Remove the constraint first and try again.

7240: Tables with LONG-type columns cannot be partitioned.

Cause	An attempt was made to partition tables with LONG-type columns.
Action	Unable to execute this command.

7241: Partitioning column cannot be of type BLOB, CLOB, or ROWID.

Cause	An attempt was made to use BLOB-, CLOB- or ROWID-type columns as partitioning columns.
Action	Unable to execute this command.

7242: New partitions cannot be added if a DEFAULT partition exists.

Cause	A new partition cannot be added, as one of the partition values is DEFAULT.
Action	Unable to execute this command.

7243: Unable to resolve data type of column \'%1$s\'.

Cause	Invalid data type is included in the column.
Action	Unable to execute this command.

7244: Operation not supported on external tables.

Cause	The statement is not supported on external tables.
Action	Unable to execute this command.

7245: Duplicate username \'%1$s\' exists.

Cause	Duplicate username exists.
Action	Delete the duplicate user.

7246: BY ACCESS/SESSION clause not allowed for NOAUDIT clauses.

Cause	BY ACCESS/SESSION clauses cannot be used for NOAUDIT clauses.
Action	Delete the BY ACCESS/SESSION clause.

7247: Unable to drop the LOB column

Cause	LOB-type column also exists in a table that belongs to another tablespace.
Action	Delete the LOB-type column or table first and then retry.

7248: Unable to drop the LOB (sub)partitions.

Cause	LOB partition also exists in a table that belongs to another tablespace.
Action	Delete the LOB-type column or table first and then retry.

7249: Index \'%1$s\' is being built or rebuilt.

Cause	The index is being built or rebuilt.
Action	Wait until the online build is completed.

7250: Table is not partitioned by RANGE or LIST method.

Cause	An attempt was made to remove a partition of a table partitioned in a way other than RANGE or LIST partitioning.
Action	Unable to execute this command.

7251: Unable to perform this task on a disabled index.

Cause	An attempt was made to perform this task on a disabled index.
Action	Unable to execute this command.

7252: Unable to execute a savepoint while performing PDML transaction.

Cause	An attempt was made to execute a savepoint while performing PDML transaction.
Action	Perform the PDML transaction after committing or rolling back.

7253: Table is not partitioned by RANGE, HASH, or LIST methods.

Cause	A table which is not partitioned by RANGE, HASH or LIST methods cannot be moved.
Action	Unable to execute this command.

7254: ON COMMIT attribute is incompatible with START WITH or NEXT options

Cause	An ON COMMIT statement is not compatible with START WITH or NEXT options.
Action	Delete the ON COMMIT statement, or remove the START WITH or NEXT option.

7255: START WITH or NEXT should be followed by a date value.

Cause	A date value should come after a START WITH or NEXT option.
Action	Specify a date value after START WITH or NEXT option.

7256: Unable to use AUDIT or NODAUDIT on SYS user operations.

Cause	An attempt was made to execute AUDIT or NODAUDIT on user SYS.
Action	Unable to execute this command.

7257: Invalid encryption algorithm.

Cause	Invalid encryption algorithm name.
Action	Specify a value encryption algorithm name.

7258: Encryption specification does not match.

Cause	Invalid encryption algorithm or password.
Action	Check the encryption algorithm or password again.

7259: Unable to encrypt columns of that type.

Cause	Unable to encrypt data columns of that type.
Action	Unable to execute this command.

7260: Specified object is not encrypted.

Cause	The requested object is not encrypted.
Action	Verify that this is correct.

7261: Unable to drop container table of materialized view.

Cause	The table is used as a container table of materialized view.

Action	Remove the materialized view first.

7262: PCTTHRESHOLD is out of range.

Cause	The specified PCTTHRESHOLD is either too large or too small.
Action	Specify a valid PCTTHRESHOLD.

7263: Primary key constraint was not found.

Cause	A primary key is necessary.
Action	Specify a primary key.

7264: Composite partitioning is not supported for index-organized tables.

Cause	Composite partitioning is not supported.
Action	Use another partitioning method.

7265: Unable to drop or disable the primary key constraint for in dex-organized tables.

Cause	A primary key for an index-organized table must exist at all times.
Action	Unable to execute this command.

7266: WHEN clauses may not be used in INSTEAD OF triggers.

Cause	A WHEN clause cannot be used in INSTEAD OF triggers.
Action	Delete the WHEN clause when creating an INSTEAD OF trigger.

7267: INSTEAD OF triggers may not be created on tables.

Cause	Cannot create INSTEAD OF triggers on tables.

Action	Unable to execute this command.

7268: INSTEAD OF triggers may not be created on a read-only view.

Cause	Cannot create INSTEAD OF triggers on a read-only view.
Action	Unable to execute this command.

7269: Column lists are not valid for this trigger type.

Cause	Cannot specify a column list for the trigger.
Action	Delete the column list.

7270: Table or view \'%1$s.%2$s\' was not found.

Cause	A table or view with the specified name could not be found.
Action	Check the table or view name again.

7271: A view is not allowed for this clause.

Cause	A view cannot be used for the specified clause.
Action	Unable to execute.

7272: This clause may not be used for a HASH partition.

Cause	The clause cannot be used for a hash partition.
Action	Delete the clause.

7273: Unable to convert specified value \'%1$s\' for the column.

Cause	The specified value does not match the column type.
Action	Specify a value that matches the column.

7274: Specified value \'%1$s\' is too large for the column.

Cause	The specified value is too long.
Action	Specify a value that matches the length of the column.

7275: This clause is only available for TAC.

Cause	The clause is only available for TAC, and cannot be used for a single instance.
Action	Remove the clause.

7276: Subpartition descriptions cannot be specified.

Cause	Cannot specify subpartition definitions.
Action	Delete the clause.

7277: This may not be used for a composite partitioned index.

Cause	Cannot be executed for a composite partitioned index.
Action	Unable to execute this command.

7278: Numbers of columns do not match.

Cause	The numbers of columns in the tables do not match.
Action	Unable to execute this command.

7279: Column datatypes do not match.

Cause	The types of columns in the tables do not match.
Action	Unable to execute this command.

7280: Index key columns do not match.

Cause	Index key columns in the tables do not match.

7281: Allowed only for a local partitioned index.

Cause	Can be executed only for a local partitioned index.
Action	Unable to execute this command.

7282: Index types do not match.

Cause	Index types and attributes do not match.
Action	Unable to execute this command.

7283: Success with compilation errors.

Cause	The object is not available due to compiler error(s) that occurred during its creation.
Action	Check the compiler error and correct it.

7284: Specified object \'%1$s.%2$s\' was not dropped.

Cause	The specified object was not removed.
Action	Unable to execute this command.

7285: Not allowed in clustered database mode.

Cause	Not supported in TAC mode.
Action	Retry this command in single instance mode.

7286: Encrypted column \'%1$s\' is not allowed.

Cause	Unable to use an encrypted column.
Action	Unable to execute this command.

7287: Some rows in the table are invalid for the specified partition.

Cause	Some rows cannot be inserted in the specified partition.
Action	Remove the invalid rows and try again.

7288: Unable to encrypt index key column(s) with SALT.

Cause	An attempt was made to encrypt index key columns with the SALT option.
Action	The SALT option cannot be used to encrypt index key columns.

7289: R-tree index allows only one index key column.

Cause	An attempt was made to specify more than two key columns for an R-tree index.
Action	Specify only one key column for an R-tree index.

7290: R-tree index cannot be partitioned.

Cause	An attempt was made to partition an R-tree index.
Action	An R-tree index cannot be partitioned.

7291: R-tree index can be created only on a column of GEOMETRY type.

Cause	The R-tree index key column is not of GEOMETRY type.
Action	An R-tree index key column must be of GEOMETRY type.

7292: Table \'%1$s\' does not contain a primary key constraint.

Cause	The WITH PRIMARY KEY option was specified when creating a in the table, or is disabled.
Action	Specify the WITH ROWID option only and try again. Create a constraint.

7293: Invalid filter column detected.

Cause	No filter column exists, or the filter column is a primary key.
Action	Check if all filter columns exist, and make sure that there is no primary key column in filter columns.

7294: There is no materialized view log on table \'%1$s\'.\'%2$s\'.

Cause	There is no materialized view log in the table.
Action	Check the table name.

7295: Table \'%1$s\' does not contain a primary key constraint.

Cause	The table does not have a primary key constraint.
Action	Create a primary key constraint and try again.

7296: Materialized view does not include all primary key columns.

Cause	A primary key column does not exist in the SELECT statement.
Action	Specify a primary key column in the SELECT statement, or FAST.

7297: Prebuilt table \"%1$s\".\"%2$s\" does not exist.

Cause	The specified prebuilt table does not exist.
Action	Try again with the BUILD IMMEDIATE and BUILD DEFFERED options.

7298: Materialized view cannot use a prebuilt table.

Cause	An attempt was made to use a prebuilt table.
Action	Try again with the BUILD IMMEDIATE and BUILD DEFFERED options.

7299: Table \"%1$s\".\"%2$s\" is currently being redefined.

Cause	The table is currently being online redefined.
Action	Wait until the online redefinition is finished.

7300: Table \"%1$s\".\"%2$s\" is currently not being redefined.

Cause	The table is not being online redefined.
Action	Unable to execute this command.

7301: Column \"%1$s\" is not encrypted.

Cause	The column is not encrypted.
Action	Unable to execute this command.

7302: Column \"%1$s\" is already encrypted.

Cause	The column is already encrypted.
Action	Unable to execute this command.

7303: Referenced or referencing foreign key constraint column cannot be encrypted.

Cause	An attempt was made to encrypt a referenced or referencing column in a foreign key constraint.
Action	Referenced or referencing columns in foreign key constraints cannot be encrypted.

7304: DOMAIN index allows only one index key column.

Cause	An attempt was made to specify more than one DOMAIN index key column.
Action	Specify only one DOMAIN index key column.

7305: DOMAIN index cannot be partitioned.

Cause	An attempt was made to partition a DOMAIN index.
Action	Unable to partition the DOMAIN index.

7306: XML index can be created only on a column of XMLTYPE type.

Cause	XML index key column is not of XMLTYPE type.
Action	XML index key column should be of XMLTYPE type.

7307: XML index cannot be created in a partitioned table.

Cause	An attempt was made to create an XML index in a partitioned table.
Action	Unable to create an XML index in a partitioned table.

7308: Function-based index cannot be created in an encrypted column (\"%1$s\").

Cause	An attempt was made to create a function-based index in an encrypted column.
Action	Unable to create a function-based index in an encrypted column.

7309: Prebuilt table dimensions do not match the definition query.

Cause	The query that defined a materialized view does not match the prebuilt table.
Action	Modify the query and try again.

7310: Non-cacheable expression is not valid for query rewrite.

Cause	An attempt was made to use a non-cacheable expression for the query rewrite function.
Action	Unable to use a non-cacheable expression for the query rewrite function.

7311: Operation is unnecessary.

Cause	The command does not need to be executed.
Action	Do not execute the command.

7312: Original name being used

Cause	The original name is currently being used by another object.
Action	Use RENAME clause.

7313: Specified undo tablespace name \'%1$s\' does not match parameter undo tablespace name in tip file \'%2$s\'.

Cause	The specified undo tablespace name \'%1$s\' does not match parameter undo tablespace name in tip file \'%2$s\'.
Action	Match the two names.

7314: Partitioning columns must be contained in index key columns

Cause	Partitioning columns must be contained in index key columns
Action	Use non-unique index or make sure the index key columns include partitioning columns.

7315: Table \"%1$s\".\"%2$s\" does not have a materialized view log

Cause	Fast refresh is unavailable because the master table does not have materialized view log.
Action	Create a master table materilized view log.

7316: Materialized view log for \"%1$s\".\"%2$s\" does not record the primary key

Cause	Fast refresh is unavailable because the materialized view log does not have a primary key.

Action	Create a materialized view log with primary key.

7317: Unable to use rowid column of materialized view log on \"%1$s\".\"%2$s\"

Cause	The materialized view log does not have a rowid column.
Action	Create a materialized view log with rowid.

7318: Unable to create a fast refresh materialized view from a complex query

Cause	Unable to create a fast refresh materialized view from a complex query
Action	Use 'REFRESH FORCE' or 'REFRESH COMPLETE' option and try again.

7319: Materialized view log on \"%1$s\".\"%2$s\" does not have new values

Cause	The materialized view log has no information on new values.
Action	Create a materialized view log containing new values.

7320: Unable to use filter columns of the materialized view log on \"%1$s\".\"%2$s\"

Cause	The materialized view log is not recording necessary filter columns.
Action	Add filter columns to the materialized view log.

7321: Schema object \'%1$s.%2$s.%3$s\' does not exist or is of incompatible type.

Cause	The specified object does not exist or is of incompatible type.
Action	Specify the name of valid object.

7322: Materialized view log already exist on table \'%1$s\'

Cause	A materialized view log already exists on the table.
Action	Use 'alter materialized view log'.

7323: Materialized view log on \"%1$s\".\"%2$s\" already has primary keys.

Cause	The materialized view log already has primary keys.
Action	The materialized view log does not need more primary keys.

7324: Materialized view log on \"%1$s\".\"%2$s\" already has a rowid.

Cause	The materialized view log already has a rowid.
Action	The materialized view log does not need another rowid.

7325: Materialized view log on \"%1$s\".\"%2$s\" already has a sequence.

Cause	The materialized view log already has a sequence.
Action	The materialized view log does not need another sequence.

7326: Materialized view log on \"%1$s\".\"%2$s\" already has new values.

Cause	The materialized view log already has new values.
Action	The materialized view log does not need more new values.

7327: Materialized view \"%1$s\".\"%2$s\" currently INVALID and need a complete refresh

Cause	The materialized view is currently invalid.
Action	Perform a complete refresh.

7328: Materialized view \'%1$s\'.\'%2$s\' does not exist.

Cause	The materialized view does not exiest.
Action	Check the materialized view.

7329: Unable to explicitly refresh a NEVER REFRESH materialized view (\"%1$s\")

Cause	Unable to explicitly refresh a NEVER REFRESH materialized view (\"%1$s\")
Action	The materialized view cannot be refreshed.

7330: Materialized view log on \"%1$s\".\"%2$s\" younger than last refresh

Cause	The materialized view log is younger than the last refresh.
Action	Perform a complete refresh.

7331: CTXCAT index allows only char/varchar type key column.

Cause	An attempt was made to specify an invalid type key column.
Action	Specify only char/varchar type key column.

7332: Specified parameter value is invalid.

Cause	An attempt was made to specify an invalid parameter value.
Action	Check the parameter value.

7333: Unable to alter or drop a domain indexed column.

Cause	An ALTER or DROP statement cannot be used in domain indexed column.
Action	Unable to execute.

7334: Domain index is invalid.

Cause	Domain index is invalid.
Action	Unable to execute.

7335: Partitioning columns must form a subset of key columns of a UNIQUE index.

Cause	Partition key column of local partition index should be a subset of index key column.
Action	Unable to execute.

7336: Cannot perform a fast refresh of the materialized view \"%1$s\".\"%2$s\"

Cause	ROWIDs of certain tables were missing in the definition.
Action	Specify the FORCE or COMPLETE option.

7337: Fast refresh of \"%1$s\".\"%2$s\" is unsupported after deletion/update.

Cause	This materialized view does not support the fast refresh after deletion or update.
Action	Use the complete refresh.

7338: Cannot set the ON COMMIT refresh attribute.

Cause	Conditions for refresh at commit time were not satisfied.
Action	specify valid options.

7339: Cannot replace the trigger. The trigger is already on other table \'%1$s.%2$s\'.

Cause	Do not allow codification of table when replacing a trigger.
Action	Drop and create a trigger instead of replacing it.

7340: Sequence cache size must be less than one cycle.

Cause	Sequence cache size is larger than one cycle.
Action	Increase the cycle, or decrease the cache size.

7341: Unable to resolve the index key column expression \'%1$s\'.

Cause	An expression that cannot be resolved is included in the index key column.
Action	Unable to execute the command.

7342: Unable to resolve the check condition \'%1$s\'.

Cause	An expression that cannot be resolved is included in the check condition.
Action	Unable to execute the command.

7343: Up to %1$d error codes can be specified to dump the call stack.

Cause	Too many error codes are specified.
Action	Decrease the number of error codes.

7344: Too many primary key columns specified in Index-Organized Table.

Cause	The number of primary keys specified in Index-Organized Table is between 1 and 32.
Action	Specify 32 or less than 32 primary keys in Index-Organized Table.

7345: The PCTTHRESHOLD value (%1$d) is incorrectly specified.

Cause	The specified PCTTHRESHOLD is incorrect.
Action	Specify PCTTHRESHOLD between 1 and 50.

7346: Index-Organized Table cannot include a LONG type column.

Cause	Index-Organized Table cannot include a LONG type column.
Action	Delete the Long type column.

7347: The INCLUDING column (%1$s) is incorrectly specified.

Cause	The INCLUDING column must be specified as the last column of a primary key or a non-primary key column.
Action	Specify the INCLUDING column according to the condition.

7348: An OVERFLOW segment is not specified.

Cause	An OVERFLOW segment must be specified when INCLUDING is specified or the number of column exceeds 255.
Action	Specify an OVERFLOW segment.

7349: The primary key column is not located before other columns.

Cause	When creating IOT, the primary key column must be described before other columns.
Action	Describe the primary key column before other columns in the IOT create DDL statement.

7350: This DDL statement is not permitted in the TIBERO massive cluster system.

Cause	In the TIBERO massive cluster system, this DDL cannot be executed.
Action	Unable to execute.

7351: DDL to be executed in a slave node failed.

Cause	A slave node is not operated temporarily or permanently.
Action	Find the reason and solve the problem.

7352: The specified the event conditional clause ('%1$s') is incorrect.

Cause	The specified the event conditional clause is incorrect.
Action	Check the conditional clause of the event to be handled.

7353: The profile \'%1$s\' was not found or is invalid.

Cause	The specified profile was not found or is an invalid type.
Action	Specify a valid profile name.

7354: Cannot drop the profile \'%1$s\'.

Cause	There is a user who uses the profile.
Action	Try again using the CASCADE option.

7355: Cannot drop the specified temporary tablespace.

Cause	The specified temporary tablespace cannot be dropped because it is in use.
Action	Wait until no one use this temporary tablespace.

7356: Unable to rename the system tablespace.

Cause	System tablespaces cannot be renamed.
Action	Unable to execute this command.

7357: The initialization parameter value, \'%1$s\', is not an absolute path.

Cause	The value of the initialization parameter is not an absolute path.
Action	Check whether the value of the initialization parameter is an absolute path.

7358: A log group that does not exist cannot be deleted.

Cause	There is not the specified log group.
Action	Check the log group.

7359: The supplemental logging, \'%1$s\', cannot be deleted as it does not exist.

Cause	The supplemental logging attribute does not exist.
Action	Check the supplemental logging attribute.

7360: The supplemental logging attribute, \'%1$s\', already exists.

Cause	The supplemental logging attribute already exists.
Action	Check the supplemental logging attribute.

7361: Integer value required.

Cause	The input value must be an integer.
Action	Use an integer value expression as the input.

7362: This DDL statement is not allowd on a bitmap indexed table.

Cause	The table must not have any bitmap index.
Action	Check whether there exits any bitmap index on the table.

7363: The resource limit, \'%1$s\', is invalid.

Cause	The appropriate resource limit should be provided.
Action	Check whether the resource limit is valid.

7364: Partitioning is not supported for index-organized tables.

Cause	Partitioned IOT is not supported.
Action	Unable to execute this command.

8002: Invalid DML statement.

Cause	The statement is not a valid DML (Data Manipulation Language) statement.
Action	Check the syntax.

8003: Unable to execute DML statement.

Cause	Unable to execute the DML statement.
Action	Check if DML is executable in the current DB state.

8004: Syntax error.

Cause	There is a syntax error.
Action	Check the statement syntax.

8005: Identifier is too long.

Cause	The identifier is too long.
Action	Adjust the length less than 30 characters.

8006: Missing FROM keyword.

Cause	The FROM keyword is missing.
Action	Check the statement syntax.

8007: Missing boolean expression.

Cause	A conditional expression is missing or contains syntax errors.

Action	Check the statement syntax.

8008: Missing expression.

Cause	Invalid or missing expression.
Action	Check the expression syntax.

8009: Missing keyword.

Cause	There is a syntax error.
Action	Check the statement syntax.

8010: Missing INTO keyword.

Cause	INTO keyword is missing.
Action	Check the statement syntax.

8011: Missing VALUES keyword.

Cause	VALUES keyword is missing.
Action	Check the statement syntax.

8012: Missing comma.

Cause	A comma is missing.
Action	Check the statement syntax.

8013: Missing SELECT keyword.

Cause	SELECT keyword is missing.
Action	Check the statement syntax.

8014: Missing NULL keyword.

Cause	NULL keyword is missing.
Action	Check the statement syntax.

8015: Missing right parenthesis.

Cause	Right parenthesis is missing.
Action	Check the statement syntax.

8016: Missing BY keyword.

Cause	BY keyword is missing after ORDER, GROUP or CONNECT keyword.
Action	Check the statement syntax.

8017: Missing CONNECT BY clause.

Cause	In a hierarchical query, the CONNECT BY clause should be specified.
Action	Check the statement syntax.

8018: Missing equal sign.

Cause	In a SET clause, an \"=\" is missing.
Action	Check the statement syntax.

8019: Missing WITH keyword.

Cause	WITH keyword is missing after a START keyword.
Action	Check the statement syntax.

8020: Missing SET keyword.

Cause	In an UPDATE statement, a SET clause is missing.

Action	Check the statement syntax.

8021: Invalid table name.

Cause	The specification of the table, view or inline view in the FROM clause uses invalid syntax.
Action	Check the statement syntax.

8022: Invalid end of SQL.

Cause	The SQL statement is invalid.
Action	Check the statement syntax.

8023: Invalid qualifier specification.

Cause	Invalid qualifier specification.
Action	Check the qualifier syntax.

8024: Duplicate derived column name exists.

Cause	A derived column with this name already exists.
Action	Rename the column.

8025: Number of derived columns and table columns do not match.

Cause	The number of derived columns doe not match the number of columns in a base table, view or inline view.
Action	Modify the query.

8026: Invalid identifier.

Cause	Unable to interpret the column or identifier.
Action	Check the identifier.

8027: Column name is ambiguous.

Cause	Columns with the same name exist in more than one table, view or inline view.
Action	Specify a qualifier for the column name.

8028: FOR UPDATE clause is not allowed here.

Cause	The FOR UPDATE clause was used in a SELECT query block other than the top one.
Action	Check the query block syntax.

8029: FOR UPDATE clause is not allowed for this query.

Cause	FOR UPDATE statement cannot be used in a query that uses GROUP BY, DISTINCT or set functions.
Action	Modify the query.

8030: Not enough values

Cause	The number of expressions specified in a VALUE statement is less than the number of columns.
Action	Ensure that the numbers match.

8031: Too many values

Cause	The number of expressions specified in a VALUE statement is greater than the number of columns.
Action	Ensure that the numbers match.

8032: ORDER BY position must be the same as an entry number in a SELECT-list expression.

Cause	The position specified in ORDER BY clause is out of range.
Action	Specify a valid position.

8033: Specified schema object was not found.

Cause	The specified schema object does not exist.
Action	Check the schema object name.

8034: Specified sequence was not found.

Cause	The sequence does not exist.
Action	Check the sequence name.

8035: Specified synonym was not found.

Cause	The synonym does not exist.
Action	Check the synonym name.

8036: Specified procedure or function was not found.

Cause	Procedure or function does not exist.
Action	Check the procedure name.

8037: Invalid use of group functions.

Cause	Set functions cannot be used in SELECT LIST, HAVING, or ORDER BY clauses.
Action	Check the statement syntax.

8038: Expression is not in a GROUP BY clause.

Cause	An expression that was not specified in a GROUP BY clause was used.
Action	Modify the query.

8039: ORDER BY clause must contain constants or SELECT list expressions.

Cause	When DISTINCT is specified in a SELECT LIST clause, the be used in an ORDER BY clause.
Action	Modify the query.

8040: Duplicate column name exists.

Cause	A column name is used more than once.
Action	Modify the query.

8041: Invalid table reference.

Cause	In a FROM clause, schema objects other than tables and views cannot be used.
Action	Modify the query.

8042: Outer join operator (+) cannot be used in a clause with a subquery.

Cause	Sub queries cannot be used along with the outer join condition.
Action	Modify the query.

8043: Outer join operator (+) cannot be used in a clause with OR.

Cause	The OR operator cannot be used along with the outer join condition.
Action	Modify the query.

8044: Outer join operator (+) cannot be used in a clause with IN.

Cause	The IN operator cannot be used along with the outer join condition.
Action	Modify the query.

8045: Outer join operator (+) cannot be used on both sides simultaneously.

Cause	Outer joining of two tables is not allowed.
Action	Delete one of the outer join conditions.

8046: Outer join operator (+) cannot be used between more than two tables.

Cause	Outer joining between more than two tables is not allowed.
Action	Modify the query.

8047: Outer join operator (+) cannot be used with ANSI joins.

Cause	Outer joins cannot be used with ANSI joins.
Action	Modify the query.

8048: Virtual table (dynamic performance view) cannot be updated.

Cause	An attempt was made to update virtual table.
Action	Virtual table cannot be updated.

8049: ORDER BY clause in SET clause is invalid: use ordinal numbers.

Cause	In an ORDER BY clause in a query where SET the operator was used, invalid expressions were used.
Action	Modify the query.

8050: Procedures are not permitted in the DML expression.

Cause	Procedure cannot be used in DML statement.

Action	Unable to use procedure.

8051: User-defined functions not permitted in the expression.

Cause	Functions cannot be used in a CALL clause which requires a procedure.
Action	Use a valid procedure.

8052: Invalid object status.

Cause	The current object is disabled.
Action	Recreate the object.

8053: Not authorized.

Cause	An attempt was made to access unauthorized objects or columns.
Action	Unable to access the object.

8054: Subquery cannot be used in GROUP BY clause.

Cause	Subquery cannot be used in GROUP BY clause.
Action	Modify the query.

8055: Number of expressions in RETURNING clause and number of INTO columns do not match.

Cause	The number of expressions specified in RETURNING clause and that of columns to be updated do not match with each other.
Action	Modify the query.

8056: Invalid number of columns in query.

Cause	The number of PROJECTIONs between blocks used in SET operation do not match.

Action	Modify the query.

8057: Columns are non-updatable.

Cause	The column cannot be updated.
Action	Check whether or not the column is in a key-preserved table.

8058: Too many key-preserved tables specified.

Cause	More than two key-preserved tables cannot be updated at once.
Action	Modify the query to update only one key preserved table.

8059: A key-preserved table was not found.

Cause	The view cannot be updated.
Action	Check whether or not it is a key-preserved table.

8060: A deletable table was not found.

Cause	Key preserved table, which can be deleted, does not exist in view.
Action	Check the definition of the view.

8061: Columns in USING clauses or NATURAL joins cannot have a qualifier.

Cause	Columns in USING clauses or NATURAL joins cannot have a qualifier.
Action	Delete the qualifier.

8062: Nesting level of aggregation functions is too deep.

Cause	The nesting level of aggregation functions is too deep.
Action	Modify the query.

8063: LONG columns are not permitted.

Cause	LONG type columns cannot be used.
Action	Modify the query.

8064: LOB columns are not permitted.

Cause	LOB type columns cannot be used.
Action	Modify the query.

8065: Invalid host variable name

Cause	An invalid host variable name was used.
Action	Ensure the host variable name uses proper syntax.

8066: Circular view detected.

Cause	View definition cannot reference itself.
Action	Check the view definition.

8067: Invalid window value used in analytic clause.

Cause	Invalid window range expression in analytic function.
Action	Modify the query.

8068: ORDER BY cannot be used here.

Cause	ORDER BY clause cannot be used in a subquery.
Action	Modify the query.

8069: Invalid single-group group function.

Cause	Columns which are not used in GROUP BY clause are used outside aggregation functions.

Action	Change the query.

8070: Subqueries are not allowed in SELECT LIST clauses that use nested aggregation.

Cause	SELECT LIST clauses that use the nested aggregation function cannot use subqueries.
Action	Delete the subquery.

8071: Partition name cannot be used with view.

Cause	View cannot use partition name.
Action	Delete the partition name.

8072: Subqueries cannot be used in this clause.

Cause	Subquery cannot be used in DEFAULT, CHECK or RETURNING clauses.
Action	Delete the subquery.

8073: UDF cannot be used in this clause.

Cause	UDF cannot be used in DEFAULT or CHECK clauses.
Action	Modify the query.

8074: Sequence cannot be used here.

Cause	Sequence is used in invalid position.
Action	Modify the query.

8075: ROWNUM cannot be used in this clause.

Cause	ROWNUM cannot be used in DEFAULT or CHECK clauses, or as a join condition.
Action	Modify the query.

8076: LEVEL cannot be used in this clause.

Cause	LEVEL cannot be used in DEFAULT or CHECK clauses.
Action	Modify the query.

8077: Bind variable cannot be used in this clause.

Cause	Bind variable cannot be used in DEFAULT or CHECK clauses.
Action	Modify the query.

8078: Aggregation function cannot be used in this clause.

Cause	The aggregation function cannot be used in DEFAULT or CHECK columns.
Action	Modify the query.

8079: Analytic function cannot be used in this clause.

Cause	Analytic function cannot be used in DEFAULT or CHECK clauses, or in index columns.
Action	Modify the query.

8080: PRIOR keyword cannot be used in this clause.

Cause	PRIOR keyword can be used only in a CONNECT BY clause.
Action	Modify the query.

8081: Column cannot be used in this clause.

Cause	Column cannot be used in DEFAULT or VALUES clauses.
Action	Modify the query.

8082: Non-deterministic functions or date or system variables cannot be used in this clause.

Cause	Non-deterministic functions cannot be used in DEFAULT or CHECK clauses, or in index columns.
Action	Modify the query.

8083: Table is not partitioned.

Cause	PARTITION or SUBPARTITION keywords cannot be used in non-partitioned tables.
Action	Modify the query.

8084: Partition by that name was not found.

Cause	Unable to find the partition name.
Action	Check the partition name and retry.

8085: Sub-partition by that name was not found.

Cause	Unable to find sub-partition name.
Action	Check the sub-partition name and retry.

8086: %1$s is not supported.

Cause	The syntax is not supported by the current version.
Action	Modify the query.

8087: Invalid SET clause.

Cause	The expression in a SET clause is incomplete.
Action	Correct the expression.

8088: View %1$s has errors.

Cause	View definition, referenced schema object or authority check has errors.
Action	Correct the error.

8089: Tuple expression must have a degree of 2.

Cause	Invalid number of argument of OVERLAP function.
Action	Check how to use OVERLAP function.

8090: Invalid bind variable name.

Cause	Bind variable names starting with ':SYS_B_' cannot be used.
Action	Change the name.

8091: INSERT/UPDATE/DELETE cannot be performed on tables with constraints (%1$s.%2$s) in DISABLE VALIDATE state.

Cause	An attempt was made to execute INSERT/UPDATE/DELETE on a table with constraints in a DISABLE VALIDATE state.
Action	Modify the constraints condition.

8092: SIBLINGS keyword cannot be used in this clause.

Cause	SIBLINGS cannot be specified in ORDER BY clause.
Action	Modify the query.

8093: INTO clauses cannot be used here.

Cause	INTO and BULK COLLECT INTO clauses can be specified only in the top query block.
Action	Modify the query.

8094: LEVEL, PRIOR or ROWNUM keywords cannot be used here.

Cause	LEVEL, PRIOR and ROWNUM keywords cannot be used with the PRIOR operator.
Action	Modify the query.

8095: Percentage in a SAMPLE clause must be in the range [0.000001, 100).

Cause	Percentage in a SAMPLE clause must be between 0.000001 and 100 (100 is not included).
Action	Modify the value to fall within the range.

8096: CONNECT_BY_ROOT operator cannot be used here.

Cause	CONNECT_BY_ROOT operator cannot be used here.
Action	Modify the query.

8097: CONNECT_BY_ISLEAF operator cannot be used here.

Cause	CONNECT_BY_ISLEAF operator cannot be used here.
Action	Modify the query.

8098: SYS_CONNECT_BY_PATH operator cannot be used here.

Cause	SYS_CONNECT_BY_PATH operator cannot be used here.
Action	Modify the query.

8099: CONNECT_BY_ISCYCLE operator cannot be used here.

Cause	CONNECT_BY_ISCYCLE cannot be used here.
Action	Modify the query.

8100: Target must be a table.

Cause	Target of MERGE INTO statement must be a table.
Action	Check the target object.

8101: Column used in the ON clause cannot be updated.

Cause	The column used in an ON clause cannot be updated.
Action	Modify the query.

8102: Outer join cannot be specified for a correlation column.

Cause	An outer join cannot be specified for a correlation column.
Action	Change the query.

8103: Circular synonym detected.

Cause	Synonyms cannot reference themselves.
Action	Check the definition of the synonym.

8104: DECODE function has too many arguments.

Cause	More than 255 arguments were used.
Action	Reduce the number of arguments in the DECODE function.

8105: CASE function has too many arguments.

Cause	More than 65535 arguments were used.
Action	Reduce the number of arguments in CASE function.

8106: Outer join operator may not be used in this clause.

Cause	Outer join operator can only be used in ON and WHERE clauses.

Action	Modify the query.

8107: Distributed operation is not supported.

Cause	The MERGE statement attempted to process more than two DB instances.
Action	Modify the query.

8108: Invalid relational operator.

Cause	Invalid condition expression.
Action	Modify the condition expression.

8109: Argument must be a constant expression.

Cause	Only expressions with the same value in GROUP BY clauses are allowed.
Action	Use only expressions which are used in a constant expression or GROUP BY clause.

8110: Too many WHEN clauses used.

Cause	A single multitable insert statement contained more than 127 WHEN clauses.
Action	Reduce the number of WHEN clauses in the statement.

8111: View or remote table cannot be the target of a multitable insert.

Cause	View or remote table cannot be the target of a multitable insert.
Action	Modify the query.

8112: Reference cursor table has too many arguments.

Cause	More than 10,000 arguments were used.
Action	Reduce the number of arguments in the PSM function.

8113: Insufficient arguments specified for a function.

Cause	An argument required for the function was omitted.
Action	Specify the omitted argument again.

8114: Too many arguments specified for a function.

Cause	The number of arguments specified for a function exceeds the amount required.
Action	Delete arguments which are not used by the function.

8115: Flashback query clause is not valid here.

Cause	The flashback query clause was used in an invalid location.
Action	Modify the query.

8116: DISTINCT option cannot be used for this function.

Cause	The DISTINCT option cannot be used for this function.
Action	Delete the DISTINCT option and try again.

8117: Invalid datatype used in function.

Cause	The datatype used in the function is invalid.
Action	Check the arguments of the function.

8118: Unable to select rowid column from the index-organized table.

Cause	Unable to select rowid column from the index-organized table.
Action	Remove the rowid column and try again.

8119: Revalidation of trigger '%1$s' failed

Cause	Failed to recompile the invalid trigger.

Action	Modify the trigger source code and create again.

8120: A column '%1$s' for the error log table '%2$s' is missing.

Cause	A column required for the error log table is is missing.
Action	Check the error log table.

8121: Invalid number of arguments.

Cause	The number of arguments is incorrect.
Action	Check the grammar and change it.

8122: Internal hint cannot be used.

Cause	Internal hint cannot be used.
Action	Remove internal hint.

9001: File \'%1$s\' was not found.

Cause	The file does not exist.
Action	Check if the file exists or use another file.

9002: Input file was not specified.

Cause	An input file was not specified.
Action	Specify an input file.

9003: Multiple input files were specified.

Cause	Two or more input files were specified.
Action	Specify only one input file.

9004: Unable to open file \'%1$s\'.

Cause	Cannot open the output file.
Action	Verify that the file name is correct.

9005: Unable to locate configuration file \'%1$s\'.

Cause	The configuration file could not be found.
Action	Verify that the path to the configuration file is correct.

9006: Unrecognized file format.

Cause	Invalid file extension.

Action	The input file extension should be '.tbc' or '.tbco'.

9007: File name is too long.

Cause	The input file name is over 256 bytes long.
Action	The reduce the length of the file name.

9008: Cursor \'%1$s\' is undefined.

Cause	Undefined cursor name.
Action	Verify that the cursor name is correct.

9009: Database \'%1$s\' is undefined.

Cause	Undefined DB name.
Action	Verify that the DB name is correct.

9010: Invalid DML statement.

Cause	The DML statement syntax is incorrect.
Action	Verify that the syntax of the DML statement is correct.

9011: Invalid dynamic SQL syntax.

Cause	The dynamic SQL statement is invalid for the ANSI mode.
Action	Use a dynamic SQL statement that is valid for the ANSI mode.

9012: CONTEXT USE statement was not found.

Cause	A CONTEXT USE statement was not used to specify context application.
Action	Use a CONTEXT USE statement.

9013: THREADS option is not enabled.

Cause	To use a thread-related command, the THREADS option needs to be set to YES.
Action	Set the THREADS option to YES.

9014: Context not allocated.

Cause	The context is not allocated.
Action	Allocate the context.

9015: Invalid parameter expression \'%1$s\'.

Cause	The parameter expression is invalid.
Action	Check the expression syntax.

9016: Host variable \'%1$s\' must be declared in the declare section.

Cause	The host variable is not declared in the declare section.
Action	In ANSI or ISO mode, only variables declared between the EXEC be used as a host variable.

9017: Array size of host variable \'%1$s\' is out of range.

Cause	The array size of the host variable is invalid.
Action	Modify the array size of the host variable so that it is an integer greater than 1.

9018: Undeclared identifier \'%1$s\'.

Cause	The identifier is not defined.
Action	Define the identifier.

9019: Undefined structure \'%1$s\'.

Cause	The structure is not defined.
Action	Define the structure.

9020: Undefined type \'%1$s\'.

Cause	The type is not defined.
Action	Define the type.

9021: \'%1$s\' is not defined as a struct.

Cause	Only objects defined as structures may be used in that manner.
Action	Use an object that is defined as a structure.

9022: Invalid indirection object \'%1$s\'.

Cause	Accessed a pointer with a period (.), or accessed non-pointer with an arrow (->).
Action	Review the item and use the correct access method.

9023: \'%1$s\' is not a member of structure \'%2$s\'.

Cause	Undefined member of a structure.
Action	Define the object as a member of the structure.

9024: Parameter \'%1$s\' cannot be multi-dimensional.

Cause	An attempt was made to bind a multi-dimensional array type.
Action	Modify the bind parameter.

9025: Arrays of structs must be named.

Cause	No name is defined for the host structure declared as array.

Action	Specify a name for the structure.

9026: Structure variable \'%1$s\' has a nested structure.

Cause	A structure cannot be bound in another structure.
Action	Delete the nested structure definition.

9027: Structure \'%1$s\' cannot have members that are arrays.

Cause	An array cannot be a member of the structure.
Action	Remove the array from the members of the structure.

9028: Invalid VARCHAR format: must be a 1 or 2 dimensional array.

Cause	The format of VARCHAR is invalid.
Action	If VARCHAR is an invalid array, modify it and re-declare it.

9029: Cursor \'%1$s\' is already defined.

Cause	The cursor name is already defined.
Action	Use another cursor name.

9030: Database \'%1$s\' is already defined.

Cause	The DB name is already defined.
Action	Use another DB name.

9031: Prepared statement \'%1$s\' was not found.

Cause	No SQL statement is prepared yet.
Action	Prepare an SQL statement.

9033: Indicator variable \'%1$s\' must be a SHORT type.

Cause	The indicator variable is not the SHORT type.
Action	Declare the indicator variable in the SHORT type.

9034: Indicator variable \'%1$s\' for host variable \'%2$s\' cannot be a structure.

Cause	The indicator variable cannot be a structure since the host variable is not a structure.
Action	Match the type of host variable to the type of indicator variable.

9035: Indicator variable \'%1$s\' must be a structure.

Cause	The indicator variable must be a structure since the host variable is a structure.
Action	The indicator variable must be defined as a structure.

9036: Indicator variable \'%1$s\' must have the same dimension with param variable

Cause	The host variable has a different dimension to the indicator variable.
Action	The indicator variable must have the same dimension with the host variable.

9037: Invalid use of signed or unsigned operator.

Cause	Invalid signed or unsigned operator has been used to defined variables.
Action	Delete signed or unsigned operator.

9038: Invalid type declared.

Cause	Invalid type declared.
Action	Check if a structure or typedef definition is used with a primitive type.

9039: Two or more data types are in declaration.

Cause	Invalid type declaration.
Action	Check if the declaration of structure or typedef is duplicated.

9040: Duplicate signed or unsigned operators exist.

Cause	More than one signed or unsigned operator.
Action	Correctly mark signed or unsigned.

9041: Array value \'%1$s\' is not allowed in WHERE clauses of a SELECT statement.

Cause	Array variables cannot be used in WHERE clauses of a SELECT statement.
Action	Change array variables in WHERE clauses of the SELECT statement into general variables.

9042: When updating, if any host variable is an array type, all host variables must be.

Cause	When updating, if at least one of host variables is array, all host variables should be array, and vice versa.
Action	Declare all host variables as array.

9043: Table was not found.

Cause	The table does not exist or is not declared in any clause.
Action	Declare the table.

9044: Invalid column name(s).

Cause	The column(s) could not be found.
Action	Check the name of the column(s).

9045: Invalid DML syntax %1$s.

Cause	Invalid DML syntax.
Action	Verify that the DML syntax is correct.

9046: Invalid ESQL syntax %1$s.

Cause	Invalid ESQL syntax .
Action	Verify that the ESQL syntax is correct.

9047: Invalid C syntax.

Cause	Invalid C syntax.
Action	Verify that the C syntax is correct.

9048: Failure while preprocessing %1$s.

Cause	Failed to preprocess C programming language.
Action	Locate the cause of the erro and modify it.

9049: Unexpected identifier %1$s.

Cause	The SQL statement starts with a string that is not an ESQL directive.
Action	Verify that the ESQL syntax is correct.

9050: Invalid use of AT clause.

Cause	The syntax should not contain an AT clause.
Action	Delete the AT clause.

9051: Host variable type is not compatible with column type.

Cause	The host variable type is not compatible with the column type of the table.

Action	Check the type of host variable.

9052: Parameter count does not match column count.

Cause	The number of parameters is different from the number of columns.
Action	Check the number of parameters.

9053: Semantics check failed at server.

Cause	Failed to check semantics using server.
Action	Verify that the semantics are correct.

9054: Invalid option.

Cause	Unsupported option.
Action	Delete the option.

9055: Option \'%1$s\' cannot be used here.

Cause	The option cannot be used here.
Action	Check the location (config file, command line, etc.) where location.

9056: Option value type \'%1$s\' is invalid.

Cause	Invalid type of option value.
Action	Check the type of the option value.

9057: Option value \'%1$s\' of %2$s is invalid.

Cause	Invalid option value.
Action	Check the option value.

9058: Option \'%1$s\' was not found.

Cause	Undefined option.
Action	Verify that the option exists.

9059: Incomplete multiple option value.

Cause	Invalid format of the option value.
Action	Check the format of the option value.

9060: USERID option should be specified when SQLCHECK=SEMANTICS or FULL.

Cause	If SQLCHECK=SEMANTICS (or FULL), USERID should be also specified.
Action	Specify the USERID option.

9061: User ID \'%1$s\' is too long.

Cause	User ID must be less than 128 bytes.
Action	Reduce the size of the user ID.

9062: Password is too long.

Cause	Password must be less than 63 bytes.
Action	Reduce the size of the password.

9063: SQLCHECK=SEMANTICS must be specified when embedded PSM blocks are used.

Cause	Embedded PSM block was used without the SQLCHECK=SEMANTICS option.
Action	Specify the SQLCHECK=SEMANTICS option.

9064: Unable to connect to server.

Cause	Failed to access the server for semantics check.
Action	Check the connection information and server status.

9067: Improperly terminated C comment.

Cause	A C comment beginning with '/*' was not terminated.
Action	Terminate the comment properly.

9068: Improperly terminated UNION.

Cause	UNION is not properly terminated.
Action	Check the syntax.

9069: C preprocessing failed.

Cause	Failure while preprocessing C programming language.
Action	Correct the error as shown in the additional messages.

9071: Not logged into the server.

Cause	Not properly connected to the server.
Action	Connect to the server and retry.

9074: Host variable address is NULL.

Cause	The address of the host variable is NULL.
Action	Specify a valid host variable.

9075: Cursor was not found.

Cause	The cursor to be used is not declared.

Action	Declare the cursor first.

9076: In ANSI mode, already-closed cursors may not be closed again.

Cause	Closed cursors cannot be closed again in ANSI mode.
Action	Make sure that the specified cursor isn't already closed.

9077: In ANSI mode, already-opened cursors may not be opened again.

Cause	Opened cursors cannot be opened again in ANSI mode.
Action	Make sure that the specified cursor isn't already open.

9078: Invalid parameter type.

Cause	Invalid parameter type.
Action	Verify that the parameter type is correct.

9079: Invalid connection string.

Cause	Invalid connection string.
Action	Verify that the connection string is correct.

9080: Invalid use of output parameter.

Cause	Invalid use of output parameter.
Action	Check the output parameter.

9081: Invalid use of input parameter.

Cause	Invalid use of input parameter.

| **Action** | Check the input parameter. |

9082: Unspecified cursor name.

| **Cause** | A cursor name was not specified. |
| **Action** | Specify the cursor name. |

9083: Unspecified prepared statement name.

| **Cause** | The prepared statement name is unspecified. |
| **Action** | Specify the name of the prepared statement. |

9084: Unspecified database name.

| **Cause** | The database name is unspecified. |
| **Action** | Specify the name of the database. |

9085: Invalid database name

| **Cause** | The length of database name is 0. |
| **Action** | Specify a DB name. |

9086: Undefined prepared statement name.

| **Cause** | The prepared statement that was used is not defined.. |
| **Action** | Verify that the name of the prepared statement is correct. |

9087: Input descriptor has not been described.

| **Cause** | Describe input for descriptor has not been performed. |
| **Action** | Perform describe input first. |

9088: Undefined SQLDA variable.

Cause	The SQLDA variable that was used is not defined.
Action	Define the SQLDA variable first.

9089: No connection to database.

Cause	The connection opened with the database name does not exist.
Action	Make a connection first.

9090: Database connection is closed.

Cause	The specified database connection is closed.
Action	Try to reconnect.

9091: Cursor operation on wrong database.

Cause	This cursor is not defined for the specified database.
Action	Specify the correct database name.

9092: Number of output parameters does not match number of output columns.

Cause	The number of output parameters does not match the number of output columns.
Action	Ensure that the quantities match.

9093: Number of bind variables does not match number of parameters.

Cause	The number of bind variables does not match the number of parameters.
Action	Ensure that the quantities match.

9094: Indicator variable was not specified in INTO clause.

Cause	The indicator variable was not specified in the INTO clause.
Action	Specify the indicator variable for the INTO clause.

9095: Too many rows were returned by SELECT statement.

Cause	Too many rows were returned by a select statement.
Action	Ensure that the expected number of rows does not violate any constraints.

9096: Charmap failed.

Cause	The result does not match the given charmap.
Action	Make sure the result value is not null or an invalid value.

9097: Fetch out of sequence.

Cause	The statement has been executed in wrong sequence.
Action	Execute ESQL statements according to the fetch execution sequence.

9098: Duplicate descriptor name exists.

Cause	The descriptor name already exists.
Action	Use another name for the descriptor.

9099: Unknown descriptor.

Cause	The descriptor has not been assigned.
Action	Assign the descriptor first.

9100: Undefined descriptor name.

Cause	An attempt was made to use a undefined descriptor.

Action	Verify that the name of the descriptor is correct.

9102: Host structure \'%1$s\' cannot be used in embedded PSM or dynamic SQL.

Cause	An attempt was made to use a host structure for embedded PSM or dynamic SQL.
Action	Use a general variable type, not a structure.

9103: Include file \'%1$s\' does not exist.

Cause	The file to be included does not exist.
Action	Specify a valid file path with the INCLUDE option.

9104: Option \'%1$s\' cannot be used for this host language.

Cause	This option cannot be used for this host language.
Action	Check the locations where this option can be used (config file, command line, etc.).

9105: Invalid COBOL syntax.

Cause	Invalid COBOL syntax.
Action	Verify that the COBOL syntax is correct.

9106: Preprocessing failed at line %1$d because of %2$s.

Cause	Preprocessing of COBOL language failed.
Action	Locate the cause of the failure and fix it.

9107: Invalid argument \'%1$s\'.

Cause	Invalid argument.
Action	Check the help file for the tbpc utility.

9108: Invalid include file\n%1$s.

Cause	An invalid header file has been included.
Action	Verify that the header file is correct.

9109: Reserve word \'defined\' cannot be used as macro name.

Cause	An attempt was made to use \'defined\' as a macro name.
Action	Change the macro name.

9110: Macro name not specified in #%1$s directive.

Cause	A macro name was not specified in #%1$s directive.
Action	Modify the macro.

9111: Invalid macro name.

Cause	The macro name is inappropriate.
Action	Modify the macro to follow the syntax of C programming language.

9112: Invalid #%1$s syntax.

Cause	#%1$s syntax is invalid.
Action	Use #%1$s "file name" or #%1$s <file name>.

9113: Recursive #include file.

Cause	The #include file is recursive.
Action	Check the #include files and fix the recursion problem.

9114: Invalid #%1$s directive.

Cause	The #%1$s directive is invalid.

Action	Modify the #%1$s directive.

9115: Invalid #pragma GCC poison directive.

Cause	The #pragma GCC poison directive is invalid.
Action	Modify the #pragma GCC poison directive.

9116: Invalid pragma.

Cause	The pragma is invalid.
Action	Modify the pragma syntax.

9117: Invalid conditional syntax (if-else-endif).

Cause	The syntax of the conditional clause (IF-ELSE-ENDIF) is invalid.
Action	Correct the clause syntax.

9118: Non-terminated #%1$s directive.

Cause	The #%1$s directive is non-terminated.
Action	Fix the directive syntax.

9119: Invalid predicate syntax in #assert and #unassert.

Cause	Predicate syntax used in #assert and #unassert is invalid.
Action	Modify the syntax.

9120: Unable to paste %1$s and %2$s because they generate an invalid preprocessing token.

Cause	Cannot paste the two specified tokens together.
Action	Modify the setting syntax.

9121: Too many arguments specified for \'%1$s\' macro: %2$u arguments accepted, %3$u arguments specified.

Cause	The \'%1$s\' macro accepts %2$u arguments, but %3$u arguments were specified.
Action	Modify the clause with the \'%1$s\' macro.

9122: Arguments specified for \'%1$s\' macro are not terminated.

Cause	One or more arguments of the \'%1$s\' macro are not terminated.
Action	Modify the setting syntax.

9123: Duplicate parameter \'%1$s\' exists in macro.

Cause	The \'%1$s\' parameter of the macro is specified twice.
Action	Delete one of the duplicate parameters.

9124: Unknown \'%1$s\' parameter in macro.

Cause	\'%1$s\' is not in the macro parameter list.
Action	Verify that the parameter name is correct.

9125: Invalid macro parameter syntax.

Cause	Macro parameter syntax is invalid.
Action	Correct the macro parameter syntax.

9126: The # token is not in macro parameter list.

Cause	# token is not in the macro parameter list.
Action	Modify the setting syntax.

9127: Invalid syntax near \'##\' operator.

Cause	The syntax of the part using the \'##\' operator is bad.
Action	Modify the setting to meet the syntax.

9128: Conditional expression contains a division by zero error.

Cause	The conditional expression contains division by 0 error.
Action	Modify the conditional expression.

9129: Invalid syntax when using the \'defined\' operator.

Cause	The \'defined\' operator uses invalid syntax.
Action	Modify the syntax used with the operator.

9130: Unable to open the \'%1$s\' file.

Cause	Unable to open the \'%1$s\' file.
Action	Specify a valid file path.

9131: Invalid size of VARCHAR \'%1$s\'.

Cause	The length of the given VARCHAR is invalid.
Action	Change the length of the VARCHAR.

9132: Invalid use of REF clause.

Cause	A REF clause may not be used here.
Action	Delete the invalid REF clause.

9133: Copy/include file \'%1$s\' in line %2$d was not found.

Cause	No file to copy or include.

Action	Specify a valid file to copy or include with the INCLUDE option.

9134: Invalid line continuation.

Cause	The continued line does not follow COBOL programming language syntax.
Action	Locate out the cause of the error and fix it.

9135: Host variable \'%1$s\' is of an invalid type.

Cause	This type of host variable is not supported.
Action	Find out the cause of the failure, and modify the part having the problem in the message.

9136: Indicator variable \'%1$s\' must be int type because of IND_TYPE option

Cause	Indicator variable must be int type because IND_TYPE is 32bit.
Action	Declare indicator variable as int type.

9137: Unhandled character \'%1$s\'.

Cause	Invalid character.
Action	Check that the character is placed in the correct location.

9138: Invalid host variable \'%1$s\'.

Cause	Invalid host variable.
Action	Check that the variable is placed in the correct location.

9139: Missing trailing NULL character.

Cause	A host variable of external data type 5 was not terminated with a NULL character.
Action	Add NULL to the end of the character string.

9140: Invalid iteration count.

Cause	Invalid iteration count.
Action	Iteration count must contain an integer value of 1 or greater.

9141: Invalid parameter data length (dynamic method 4)

Cause	Invalid parameter data length (dynamic method 4)
Action	Set the variable length to a correct value.

9142: Semantics check failed during the communication process.

Cause	Failed to check semantics with the server due to communication problems.
Action	Check the communication status with server.

9143: Execute '$TB_HOME/client/config/gen_esql_cfg.sh'.

Cause	ESQL configuration has not yet been performed.
Action	Execute the 'gen_esql_cfg.sh' file in the '$TB_HOME/client/config' directory.

9144: Invalid 'EXEC SQL INCLUDE' statement.

Cause	Invalid EXEC SQL INCLUDE statement.
Action	Modify the syntax of the EXEC SQL INCLUDE statement.

9145: Invalid parameter data type (dynamic method 4)

Cause	Invalid parameter data type (dynamic method 4)
Action	Check whether the variable type is valid.

9146: Invalid parameter data type (ANSI dynamic method 4)

Cause	Invalid type of bind variable (ANSI type dynamic SQL method 4).

Action	Verify that the bind variable type is valid.

9147: Expression was previously declared with a specific database connection.

Cause	The expression used in PREPARE was previously declared to use a particular database connection.
Action	Do not use an AT clause, or modify the DECLARE clause.

9148: Unable to use ESQL statement in ordinary C include file.

Cause	An ESQL statement is used in an included header file.
Action	To use an ESQL statement, use an EXEC SQL INCLUDE statement.

9150: Unable to open directory \'%1$s\': Permission denied.

Cause	Not authorized to access this directory.
Action	Receive authorization to open the directory.

9151: \'%1$s\' is not a directory.

Cause	The path after #include does not specify a valid directory.
Action	Specify a valid directory.

9152: Precision or scale is out of range.

Cause	The precision or scale of the declared type is out of range.
Action	Check the precision or scale, and enter a value that is within range.

9153: Dynamic sql is not DML.

Cause	The SQL is not DML.

Action	Check the SQL.

9154: Dynamic sql is DDL.

Cause	The SQL is DDL.
Action	Check the SQL.

9155: Dynamic sql is PSM.

Cause	The SQL is PSM.
Action	Check the SQL.

9156: The size of esql log file is wrong.

Cause	The size of log file is too large or too small.
Action	Check the esql config file, enter a value that is within the range(>= 1M and <= 1G).

9157: The length in the host variable is wrong.

Cause	The lengths in the host variable and in the length field do not match.
Action	Check the code and fix the length field of SQLDA or the length in the host variable(VAR CHAR or other type).

9158: The number of bind variables does not match the number of attributes.

Cause	The number of bind variables does not match the number of attributes.
Action	Check the numbers of bind variables and attributes.

9159: Unable to create output file \'%1$s\'.

Cause	Output file name is same with Input file name.

Action	Verify that the output file name is different from input file name.

9160: Multiple output files were specified.

Cause	Two or more output files were specified.
Action	Specify only one output file.

9161: Ambiguos variable \'%1$s\' is referenced.

Cause	Ambiguos variable \'%1$s\' is referenced.
Action	Check the host variable.

9162: Database name is too long.

Cause	Database name must be less than 128 bytes.
Action	Reduce the size of the database name.

10001: Cursor pool overflow.

Cause	The cursor pool is full.
Action	Increase the size of the pool.

10003: Data is too long to be bound to the specified type.

Cause	The amount of data exceeds the maximum allowed of the type to which it will be bound.
Action	Modify the length of the data.

10004: Cannot use UNION command on these tables or views.

Cause	Cannot perform the UNION operation for the given tables or views.
Action	Check that the numbers of columns are equal and that the types of each column are compatible.

10005: NOT NULL constraint violated on (\'%1$s\'.\'%2$s\'.\'%3$s\').

Cause	An attempt was made to insert the NULL value into a column where the NOT NULL constraint is specified.
Action	Remove the NOT NULL constraint, or insert a value that is not NULL.

10006: CHECK constraint violated on (\'%1$s\'.\'%2$s\').

Cause	The inserted value(s) do(es) not satisfy the existing CHECK condition.
Action	Insert a value that satisfies the CHECK condition.

10007: UNIQUE constraint violated (\'%1$s\'.\'%2$s\').

Cause	An attempt was made to insert a duplicate value into a column where the UNIQUE constraint is specified.
Action	Cancel the UNIQUE constraint, or insert a unique value.

10008: INTEGRITY constraint (\'%1$s\'.\'%2$s\') violated: primary key not found.

Cause	A primary key does not exist for the foreign key.
Action	Delete the foreign key, or add a primary key.

10009: INTEGRITY constraint (\'%1$s\'.\'%2$s\') violated: foreign key exists.

Cause	An attempt was made to delete a primary key that is referenced by a foreign key.
Action	Delete the foreign key first and then try again.

10010: Statement does not satisfy the WHERE clause of the view.

Cause	INSERT and UPDATE statements of the view, which was created view.
Action	Modify the DML statement to satisfy the WHERE condition clause of the view, or delete WITH CHECK OPTION of the view.

10011: SORT_AREA_SIZE is too small to accommodate all active sort operators.

Cause	There are not enough allocated sort areas.
Action	Increase the value of SORT_AREA_SIZE.

10012: Cannot pin more blocks.

Cause	Cannot process all data because the buffer cache is not big enough.

Action	Increase the value of DB_CACHE_SIZE.

10013: HASH_AREA_SIZE is too small to accommodate all active sort operators.

Cause	There are not enough allocated hash areas.
Action	Increase the value of HASH_AREA_SIZE.

10014: Maximum LEVEL value exceeded during CONNECT BY operation.

Cause	The LEVEL value of a node exceeded the maximum during a CONNECT BY operation.
Action	Contact the technical support team.

10015: Loop detected during CONNECT BY operation.

Cause	A loop was detected during a CONNECT BY operation.
Action	Modify the CONNECT BY clause and data so that a loop does not occur.

10016: Table mutation occurred during trigger execution.

Cause	Table mutation occurred during trigger execution.
Action	Delete the mutation.

10017: Unable to open file \'%1$s\' in file scan mode.

Cause	The specified file could not be found.
Action	Check the name and directory of the specified datafile.

10018: Partition key does not map to a partition.

Cause	There is no defined partition to which the partition key is mapped.

Action	Check the definition of the partition in the corresponding table.

10019: Updating partition key column would cause a partition change.

Cause	Updating the partitioned table key will cause a partition change.
Action	Check the definition of the partition in the corresponding table.

10020: Specified row no longer exists.

Cause	The specified row does not exist.
Action	Verify that the specified row is correct.

10021: Inconsistent set of rows in source tables.

Cause	Inconsistent DML result due to a non-deterministic WHERE condition.
Action	Modify the non-deterministic WHERE condition.

10022: Empty pivot column must not exist.

Cause	There is an empty pivot column.
Action	Modify the PIVOT_PICK_COL parameter.

10023: Invalid pivot aggregation alias.

Cause	An error occurred in the string pattern that determines a column name when performing a pivot operation.
Action	Check to see if a percent (%) character is missing in the string pattern.

10024: Pivot column name must be unique for CASE or DECODE operations.

Cause	Results with the same pivot column name were selected when performing a CASE/DECODE operation.
Action	Modify the string pattern for the column names given to each set operation when performing a pivot operation.

10025: Too many pivot column names generated after calculation.

Cause	There are too many pivot column names created after calculation.
Action	Decrease the number of calculations.

10026: REFCUR table contains invalid number of columns.

Cause	The number of columns defined in the REFCUR table does not match the actual number.
Action	Modify the REFCUR table clause to match the actual number.

10027: REFCUR table contains invalid column type.

Cause	The data type of a column defined in the REFCUR table does not match the actual data type.
Action	Modify the REFCUR table clause to match the actual data type.

10028: Number of columns specified in file \'%1$s\' and in data dictionary do not match.

Cause	The number of columns specified in the file does not match the number of columns in the data dictionary.
Action	Check the number of columns of specified in the file.

10029: Unable to read table (or index) with old snapshot.

Cause	Unable to read a table or index with an old snapshot.
Action	Use a snapshot from after the table or index was modified.

10030: Invalid WKB geometry data.

Cause	The entered WKB data is invalid.
Action	Check the WKB data.

10031: Invalid geometric object type.

Cause	Invalid geometric object type was executed.
Action	Check to see if the geometric object type is executable.

10032: Index number is out of range.

Cause	The value of N is less than 1 or larger than the number of Points in LineString.
Action	Check the N value.

10033: Invalid WKT geometry data.

Cause	The entered WKT data is invalid.
Action	Check the WKT data.

10034: Internal error: %1$s.

Cause	An internal error occurred.
Action	Check the data.

10035: Invalid pivot expression.

Cause	Too many pivot column meta were created after operation.

Action	Check the query.

10036: Invalid XML.

Cause	An invalid type of XML was entered.
Action	Check the XML.

10037: Invalid XQuery.

Cause	Invalid XQuery.
Action	Check the XQuery syntax.

10038: Is not allowed to compare multi-valued pivot columns.

Cause	Is not allowed to compare multi-valued pivot columns.
Action	Check whether the pivot columns have multi values.

10039: Invalid text query syntax.

Cause	Invalid query syntax for the text.
Action	Check the query syntax.

10040: No more stop word can be inserted.

Cause	Cannot add a stop word anymore for the text.
Action	Check the number of stop words.

10041: The text index is invalid.

Cause	The text index is not available.
Action	Check the text index status.

10042: Multi valued result is not allowed.

Cause	Multi valued result is not allowed.
Action	The results for XPath in the XML are more than one.

10043: Invalid XPath expression.

Cause	Invalid XPath expression.
Action	Check the XPath expression.

10044: Invalid child value.

Cause	Invalid child value.
Action	Check the child value.

10046: XML library error '%1$s'.

Cause	An error occured in an external XML library.
Action	Check the error message.

10047: XQuery type mismatch.

Cause	The return type of XQuery does not match the declared column type.
Action	Change the type of the column.

10048: XPath does not point to a leaf node.

Cause	The given XPath does not indicate a leaf node.
Action	Modify XPath to indicate a leaf node.

10049: XPath does not point to a single node.

Cause	The given XPath has multiple nodes.

Action	Modify XPath to have only one node.

10050: Size of datatype is too small to serialize the XML document.

Cause	The size of the data type to serialize the XML document is too small.
Action	Increase the data type size.

10051: Invalid XML namespace.

Cause	The format of XML namespace is invalid.
Action	Check whether the format is 'xmlns:<prefix>=<href>'.

10052: The XML document is too big for the DOM tree.

Cause	The XML document is too big for the DOM tree.
Action	Decrease the size of the XML document.

10053: It is impossible to bind two or more LOB or LONG data together.

Cause	It was attempted to bind two or more LOB or LONG data through the database link.
Action	Check the SQL and change it.

11001: Subquery returned a tuple where a scalar value was expected.

Cause	More than one column was returned by a subquery.
Action	Check if there are more than two columns in the selection list of the scalar subquery.

11002: Subquery returned multiple rows where a scalar value was expected.

Cause	A subquery expected to return a scalar value returned more than two rows.
Action	Check the scalar subquery.

11003: Invalid type of function argument.

Cause	The type of the function argument is invalid.
Action	Check the declaration of the function.

11004: Invalid function argument.

Cause	The specified function argument is invalid.
Action	Check the declaration of the function.

11005: Specified values '%1$s' are invalid for mathematical function argument(s).

Cause	The specified mathematical function argument is invalid.
Action	Check the declaration of the function.

11006: Invalid USERENV parameter.

Cause	That value is not allowed for the USERENV function parameter.
Action	Check that the function parameter is CLIENT_INFO, ENTRYID, ISDBA, LANG, LANGUAGE, SESSIONID or TERMINAL.

11007: TRIM set may not contain more than one character.

Cause	The first parameter of TRIM function contains more than one character.
Action	Specify only one character for the first parameter.

11008: Escape character must be one character long.

Cause	The length of the escape character in the LIKE clause is longer or shorter than 1.
Action	Set one character for the escape argument.

11009: Invalid use of escape character.

Cause	Invalid use of escape character.
Action	If the escape character is either the percent (%) or character must come after the escape character.

11010: TO_CHAR format cannot be specified for this data type.

Cause	The TO_CHAR format cannot be specified for this type.
Action	Remove the format from the function formula.

11011: TO_DATE format cannot be specified for this data type.

Cause	The TO_DATE format cannot be specified for this type.
Action	Remove the format from the function formula.

11012: TO_TIME format cannot be specified for this data type.

Cause	The TO_TIME format cannot be specified for this type.
Action	Remove the format from the function formula.

11013: TO_TIMESTAMP format cannot be specified for this data type.

Cause	The TO_TIMESTAMP format cannot be specified for this type.
Action	Remove the format from the function formula.

11014: TO_NUMBER format cannot be specified for this data type.

Cause	The TO_NUMBER format cannot be specified for this type.
Action	Remove the format from the function formula.

11015: Input parameter string is too long.

Cause	Part of the input parameter string was too long.
Action	Shorten the length of the string.

11016: Unsupported multi-byte characterset in CLOB.

Cause	An attempt was made to use a CLOB with a multi-byte character set.
Action	Use single-byte character sets, or do not use a CLOB.

11017: Relational operator accepts only boolean values.

Cause	An non-boolean operand was specified for the relational operator.
Action	Verify that the operand is a boolean operand.

11018: Operator does not accept operands of the given data type.

Cause	The operand type is invalid.
Action	Input a valid operand type for the operator.

11019: Concatenation applied to invalid data type.

Cause	The CONCAT operation may not be used on this data type.
Action	Use CHAR, VARCHAR or CLOB, or use a value that can be converted to one of those data types.

11020: String concatenation result is too long.

Cause	The result of a string concatenation is too long.
Action	Make sure that the total length of the concatenation result 4,000).

11021: Error occurred during type casting.

Cause	An attempt was made to convert the data type to a invalid data type.
Action	Check the specified data type.

11022: Values are from incompatible data types.

Cause	The values are from incompatible data types.
Action	Modify the data types to be compatible.

11023: Values are from data types that cannot be compared.

Cause	The values are from incomparable data types.
Action	Modify the data types to be comparable.

11024: Cardinality mismatch found during group comparison.

Cause	During a group comparison operation, the number of values on either side did not match.
Action	Match the lengths of tuples on both sides of the comparison.

11025: Data is too long for the column.

Cause	The data length is not appropriate for the column.
Action	Shorten the data length.

11026: Data is too long to be converted to CHAR/VARCHAR/RAW data type.

Cause	The data length exceeds the allowed length of a RAW, CHAR or VARCHAR type.
Action	Modify the data length or change the data type.

11027: String is not in hexadecimal form.

Cause	The string is not in hexadecimal form.
Action	Check that the string correctly follows hexademical form.

11028: Parameter mismatch occurred in user-defined function.

Cause	Either the number of specified parameters does not match the omitted parameter is not defined.
Action	Make sure one of the causes above has not occurred.

11029: No function matches the specified argument(s).

Cause	No function matches the specified list of arguments.
Action	Check the argument data type.

11030: Multiple functions match the specified argument(s).

Cause	More than one function matches the specified list of arguments.
Action	Check the argument data type.

11031: A function in the SQL statement has output parameter(s).

Cause	Functions which has the output parameter(s) can be call only in a CALL statement.
Action	Check the definition of the function.

11032: Invalid data type was returned by PSM function.

Cause	The return type of the PSM function is invalid.
Action	Check that the return type of the PSM function can be processed in a SQL statement.

11033: Insufficient columns for update.

Cause	The number of columns returned by the subquery in the UPDATE updated.
Action	Check the number of columns in the UPDATE SET clause.

11034: Too many columns for update.

Cause	The number of columns returned by the subquery in the UPDATE updated.
Action	Check the number of columns in the UPDATE SET clause.

11035: Invalid NLS parameter exists in SQL function.

Cause	An invalid NLS parameter exists in SQL function.
Action	Check the NLS parameter.

11036: Alias is required.

Cause	An alias was not specified for a non-column expression.

Action	Specify an alias.

11038: Percentile value must be between 0 and 1.

Cause	The percentile value must be between 0 and 1.
Action	Verify that the percentile is correct.

11039: Invalid SYS_CONTEXT namespace.

Cause	That namespace is not allowed for the SYS_CONTEXT function.
Action	Check that the parameter of the function is USERENV.

11040: Invalid NLSSORT linguistic definition.

Cause	That linguistic definition is not allowed for the NLSSORT function.
Action	Verify that the parameter is correct.

11041: Unsupported character set in regexp function.

Cause	That character set is not supported by the regexp function.
Action	Specify another character set.

11042: Invalid regular expression in regexp function.

Cause	An invalid regular expression was used in the regexp function.
Action	Correct the regular expression.

11043: Unsupported character set was described.

Cause	The character set is not supported.
Action	Check the character set.

11044: Invalid UNISTR argument.

Cause	The UNISTR argument is invalid.
Action	Check the UNISTR function.

11045: A function in the SQL statement has non-primitive type parameter(s).

Cause	Functions that have the non-primitive parameter(s) can be called only from a CALL statement.
Action	Check the definition of the function.

11046: A function in the SQL statement has non-primitive type parameter(s).

Cause	Functions that have the non-primitive parameter(s) can be called only from a CALL statement.
Action	Check the definition of the function.

11047: Not allowed a bind parameter or expression.

Cause	A bind parameter or expression cannot be used in the given position.
Action	Use a constant(number or string literal).

11048: \"%1$s\".\"%2$s\".\"%3$s\" The value is too large for the column. (Actual value: %4$d, Maximum value: %5$d)

Cause	The data length is not appropriate for the column.
Action	Shorten the data length.

12001: Session has been closed.

Cause	The session was terminated by a system administrator or system timer.
Action	Try to reconnect.

12002: Requested session was not found.

Cause	The required session could not be found.
Action	Double check the session ID and serial number.

12003: Unable to open a session.

Cause	The maximum number of sessions are already open.
Action	Close the other open sessions, or shut down the server, (WTHR_PROC_CNT, _WTHR_PER_PROC), and restart the server.

12004: Unable to connect: DBMS server is in recovery mode.

Cause	Unable to connect to the server since DBMS server is in the middle of the recovery process.
Action	Wait until the recovery process is completed.

12005: Unable to connect to the DBMS server server.

Cause	The listener blocked the access of the DBMS server server using the current client's IP address.
Action	Contact the DBA or the technical support team about the IP filtering policy.

12006: Session is not open for this connection.

Cause	A request occurred for a session that was not open.
Action	Open the session or log on.

12007: Requested cursor [%1$d] was not found.

Cause	The required cursor has been closed.
Action	If the request was to close a cursor, the request is already request.

12008: Unable to open new cursor: too many cursors are in use.

Cause	The maximum number of cursors are already open.
Action	Close the other open cursors, or modify the OPEN_CURSORS initialization parameter and reboot the system.

12009: Unable to change isolation level of an active transaction.

Cause	The transaction is in progress.
Action	Retry after committing or rolling back the transaction.

12010: No transaction exists to set a savepoint.

Cause	There is no transaction to set a savepoint.
Action	A transaction is necessary to set a savepoint.

12011: Unable to open the session.

Cause	One of the session slots has an internal problem.
Action	To use the session slot, reboot the system or contact the technical support team.

12012: Session is already open.

Cause	The session is already ACTIVE or RUNNING.
Action	To change the session state, use the 'session kill' command.

12013: A session cannot terminate itself.

Cause	A session attempted to terminate itself through a 'session kill' command.
Action	Double check the session ID and serial number.

12014: Transaction control statements are not allowed in XA transactions.

Cause	An attempt was made to use a transaction control statement in XA mode.
Action	Transaction control statements cannot be used in XA mode.

12015: Active autonomous transaction detected and rolled back.

Cause	An autonomous transaction has not been closed.
Action	Commit or roll back within the trigger or in the procedure.

12016: Specified DATE/TIME/TIMESTAMP format is too long: \'%1$s\'.

Cause	The format of DATE, TIME or TIMESTAMP is too long.
Action	Shorten the format string.

12017: Temporary table \'%1$s\' is being used by another transaction.

Cause	Another transaction is using the temporary table.
Action	Commit the transaction, and try to access the table again.

12018: Invalid PPID.

Cause	The PPID is invalid.
Action	Check the protocol version.

12019: Unable to execute batch update: invalid array binding count detected.

Cause	Invalid number of bindings.
Action	Check the protocol version.

12020: Unable to execute SQL statement.

Cause	The SQL statement cannot be executed in the current server mode.
Action	Change the server mode and retry the statement.

12021: Only SYS user can log on in restricted boot mode.

Cause	Only the SYS user can log on in the current boot mode.
Action	Log on as SYS user instead.

12022: Authentication failed: invalid password.

Cause	The password is invalid.
Action	Enter the correct password.

12023: Unrecognized SQL statement: invalid grammar.

Cause	The SQL statement cannot be parsed.
Action	Verify that the SQL statement is correct and retry.

12024: SQL queries cannot be submitted during batch updates.

Cause	Queries are not allowed during batch update.
Action	Don't use queries during batch updates.

12025: Only procedure-type PSM is allowed during batch updates.

Cause	Function-type PSM is not allowed during batch update.
Action	Use only procedure-type PSM during batch update.

12026: Output parameters cannot be used during batch updates.

Cause	An attempt was made to use an output parameter during batch update.
Action	Output parameters are not allowed during batch update.

12027: Database name is too long.

Cause	The DB name is too long.
Action	Choose a shorter name for the DB.

12028: Only DDL statements are allowed in NOMOUNT boot mode.

Cause	Only DDL statements are allowed in the NOMOUNT mode.
Action	Check the boot mode and the SQL statement.

12029: Unable to execute the prepared statement: invalid number of parameters.

Cause	The number of parameters specified does not match the number required by the physical plan.
Action	Check the protocol version.

12030: Unable to handle unexpected incoming message type %1$d.

Cause	An unexpected protocol was received.
Action	Check that the protocol is from a valid context.

12031: Invalid cursor state.

Cause	The cursor state is invalid. During fetch, a DDL statement pointed.
Action	Check the object at which the cursor was pointed.

12032: Deadlock detected.

Cause	Deadlock detected.
Action	Retry the transaction.

12033: Lock acquisition failed in NOWAIT mode.

Cause	Lock acquisition failed in NOWAIT mode.
Action	Wait for a moment and try again.

12034: Lock acquisition timed out in WAIT mode.

Cause	Lock acquisition failed after the maximum wait time expired (lock timeout).
Action	Wait for a moment and try again.

12035: Internal error %1$d occurred.

Cause	An internal error occurred.
Action	Contact the technical support team.

12039: Server instance is shutting down.

Cause	The server instance is shutting down the system.

Action	The server instance is shutting down the system.

12040: Statement canceled.

Cause	The SQL statement was canceled during execution.
Action	Execute the SQL statement again.

12041: Local COMMIT/ROLLBACK/SAVEPOINT is not allowed in XA transaction.

Cause	Local COMMIT, ROLLBACK or SAVEPOINT was specified in an XA transaction.
Action	Local COMMIT, ROLLBACK or SAVEPOINT cannot be executed in an XA transaction.

12042: Authentication timed out.

Cause	User authentication failed after the maximum wait time expired.
Action	The connection request might have come from an invalid client; if not, increase the timeout value.

12043: DBLink information was not found.

Cause	No DBLink information could be found.
Action	Check the DBLink name and permissions.

12044: Unable to connect to remote database.

Cause	Cannot access the remote DB.
Action	Check the DBLink host information.

12048: Unknown service requested.

Cause	The request is for unknown service.

Action	Check that the request is from a valid context.

12049: Return clauses cannot be used during batch updates.

Cause	A return clause cannot be used during batch updates.
Action	Remove the return clause.

12050: Try connecting to another server.

Cause	It may be a standby server, or it is not yet open.
Action	Try to access another server.

12051: Unable to change server mode (%1$s).

Cause	The server mode cannot be changed.
Action	Check the cause of failure and try again.

12052: Cannot commit with DBLink.

Cause	Two-phase commit with database link has failed.
Action	Check the target DB server and restart transaction.

12054: In-doubt transactions.

Cause	The transactions are in-doubt state.
Action	Check the status of the remote DB and resolve the in-doubt state.

12055: transaction rolled back. some remote DBs may be in doubt.

Cause	There is a possibility that a remote DB is in-doubt state after a transaction has been rolled back.
Action	Check the status of the remote DB.

12056: Database link is in use.

Cause	A transaction is using the database link.
Action	Try again after the transaction is completed.

12057: Database link is not open.

Cause	The database link is not connected.
Action	Check the database link name.

12058: Remote connection was lost. Transaction rollback required.

Cause	The connection to the remote server was severed, so the current transaction must be rolled back.
Action	Roll back the current transaction.

12059: Remote statement failed due to (ec=%1$d): \n%2$s.

Cause	An error occurred with the remote server.
Action	Solve the problem by referring to the remote server, and then try again.

12060: DBMS server is experiencing heavy load: connect to another instance.

Cause	Unable to connect to DBMS server; the server is under heavy load.
Action	Try to connect to another instance, or tweak load balancing settings.

12064: Unable to alter the session PDML state within a transaction.

Cause	PDML cannot be enabled or disabled in the middle of a transaction.
Action	Commit or roll back the active transaction.

12066: Unable to read or modify an object after modifying it with PDML.

Cause	An attempt was made to read or modify a table which was already modified with PDML in the current transaction.
Action	This command cannot be executed.

12067: Unable to modify an object with PDML after modifying it.

Cause	An attempt was made to modify a table that has already been modified in the current transaction with PDML.
Action	This command cannot be executed.

12068: Wallet is already open.

Cause	The wallet is already open.
Action	Proceed to the step to be taken after the wallet is open.

12069: Failed to open wallet.

Cause	Failed to open wallet.
Action	Check the password, or request the security administrator to create a new wallet.

12070: Target DB returned this message: %1$s (target db error code = %2$d).

Cause	An error occurred in the target database system.
Action	Check the message received from the target database system.

12071: Unable to allocate a block transaction entry for parallel execution.

Cause	The block does not have an enough space to store transaction entries, or the DOP (Degree of Parallelism) is too large.
Action	Decrease DOP, or increase PCTFREE of the segment.

12072: Unable to allocate a slave session.

Cause	Unable to allocate a slave session for parallel processing.
Action	Increase the maximum number of server sessions, or wait until there is an available session.

12073: Wallet is not open.

Cause	Wallet is not yet open.
Action	Try again after opening the wallet.

12074: Unable to begin a global transaction.

Cause	The target database system cannot start a global transaction.
Action	Check the state of the target database system and gateway.

12075: Workload repository table does not exist.

Cause	There is no workload repository table.
Action	Try again after opening the wallet.

12076: need to retry

Cause	The SQL need to be run again because freshness of the materialized view has been corrupted.
Action	Try again.

12077: Commit request from the remote DB for the global transaction

Cause	(internal error) The remote DB requested to commit the global transaction
Action	Contact the technical support team.

12078: Rollback request from the remote DB for the global transaction

Cause	The remote DB requested to rollback the global transaction
Action	internal message

12079: The requested DB_NAME does not match with server's.

Cause	The DB_NAME specified in the client does not match the DB_NAME in the server.
Action	Check the DB_NAME in the server and try to connect again.

12080: Unable to generate SSL ctx

Cause	Unable to create the SSL ctx structure.
Action	Check the server status and try again.

12081: Failed to load the SSL user certificate file

Cause	Failed to load the server certificate.
Action	Check the path of the server certificate file.

12082: Failed to load the SSL private file

Cause	Failed to load the private key.
Action	Check the path of the private key file.

12083: Unmatched SSL public key

Cause	The certificate and the private key do not match.
Action	Check the certificate and the private key.

12084: Failed to generate the SSL structure

Cause	Failed to generate the SSL structure from the SSL ctx.
Action	Check the server status and try again.

12085: Failed to accept from client ssl connection

Cause	Failed to connect to the client.
Action	Check the client status and the server status.

12086: Incoming SQL is empty.

Cause	The requested SQL is empty.
Action	Check the SQL statement and try again.

12087: Failed to open the wallet.

Cause	The wallet is not yet closed.
Action	Check if the wallet is completely closed and retry the statement.

12088: The table for APM function does not exist.

Cause	The table for APM function does not exist or you do not have the administration authority.
Action	Get the administration authority or create the table again with the system.sh.

12089: The specified snapshot between '%1$s' and '%2$s' does not exist.

Cause	Among the saved snapshots, the snapshot between '%1$s' and '%2$s' does not exist.
Action	Check if the snapshot exists and try again.

12090: Unable to open the report file '%1$s'.

Cause	Failed to create the file '%1$s' in order to generate the report file.
Action	Check if there is no problem to create the file and try again.

12091: The APM function is inactivated.

Cause	Unable to execute the function due to the inactivated APM function.
Action	Set the AUTOMATIC_PERFORMANCE_MONITORING to 'Y'.

12092: Binding a deferred parameter is not allowed in an anony mous block.

Cause	Binding a deferred parameter in an anonymous block is not implemented yet.
Action	Bind the non-deferred parameter.

12093: Invalid protocol message is arrived.

Cause	There is a problem in the slave server or the session.
Action	Check the status of the slave server or the session.

12094: The remote session is closed.

Cause	The remote session is closed.
Action	Do not send a message to the remote session.

12096: Unable to modify the size of TCP send buffer.

Cause	Occurs if it was failed to modify the size of TCP send buffer.
Action	Contact the technical support team.

12097: Unable to modify the size of TCP send buffer.

Cause	Occurs if it was failed to modify the size of TCP send buffer.
Action	Contact the technical support team.

12098: There are too many opened cursors using a same physical plan object or a data dictionary object.

Cause	Ocurrs if clients don't close opened cursors for long time.
Action	Contact the technical support team.

14001: Not yet implemented.

Cause	This function is not implemented yet.
Action	Will be supported from the next version.

14002: Invalid argument type or value.

Cause	The argument type or value is invalid.
Action	Modify the argument type or value.

14004: Package instance '%1$s' is invalid.

Cause	The package instance is invalid, and has been removed from the session.
Action	Use the package member to recreate the instance.

14009: Error number is out of range.

Cause	The error message number is out of range - it must be an integer between -20000 and -20999.
Action	Specify a valid error number.

14010: Radian value out of range.

Cause	The range of radian values must be between -1 and 1 (-1 < x < 1).
Action	Specify a valid error number.

14011: Invalid argument specified for EXTRACT.

Cause	The argument of the extract() function is invalid.
Action	Choose a proper value within the ranges of DATETIME or INTERVAL.

14013: LOB exceeded maximum size (4GB - 1 byte).

Cause	The length of LOB is too long. It cannot be longer than 4 GB - 1 byte.
Action	Check the parameter.

14017: Invalid seed value: seed does not exist.

Cause	The seed value is invalid.
Action	Check if the seed value is NULL.

14018: Invalid seed value: seed is too short.

Cause	The length of the seed value is too short.
Action	The seed value must contain more than 80 characters.

14019: Invalid key value: key is too short.

Cause	The key value is invalid.
Action	The key must contain more than eight characters.

14020: Invalid input size: size must be a multiple of 8 bytes.

Cause	The size of the input parameter is invalid.
Action	Set the length of input parameter to a multiple of eight bytes.

14021: Invalid triple DES mode: only TWO KEY MODE and THREE KEY MODE are allowed.

Cause	The DES mode is invalid.
Action	Choose either TWO KEY MODE or TRIPLE KEY MODE only.

14022: Buffer overflow.

Cause	The buffer size exceeded the maximum limit.
Action	Increase the buffer size, or delete some of the contents of the buffer.

14023: Invalid input value.

Cause	An invalid value was specified.
Action	Check whether or not an identical value has already been set.

14025: Invalid savepoint.

Cause	The savepoint value is invalid.
Action	Check whether or not the parameter is null.

14028: Invalid number format for RAW.

Cause	The actual length does not match the length value.
Action	Verify that the number format is correct.

14029: Invalid endian value.

Cause	The endian value is invalid.
Action	Specify big endian (1) or little endian (2) only.

14031: Invalid length value.

Cause	The length value is invalid.
Action	Verify that the length value is correct.

14033: Maximum number of open files has been reached.

Cause	The number of open files has reached the maximum.
Action	Close some open files.

14034: Invalid line size: maximum size exceeded.

Cause	The line size exceeded the maximum limit (32768).
Action	Reduce the value of the MAX_LINESIZE parameter.

14035: Invalid path: path is NULL or does not exist.

Cause	The directory name or path is invalid.
Action	Verify that the path name is correct.

14036: Invalid filename.

Cause	Invalid file name.
Action	Verify that the file name is correct.

14037: Invalid file ID: file must be open.

Cause	The ID of a closed or invalid file was used.
Action	Check the current condition of the file.

14038: Invalid OPENMODE.

Cause	Invalid OPENMODE specified.

Action	Specify a valid FILE_OPENMODE_x [x = A, R, W, AB, RB, WB].

14039: Invalid offset.

Cause	Invalid offset value specified.
Action	Specify a valid offset value.

14040: Invalid length: length cannot be negative.

Cause	The length value is invalid.
Action	Specify an integer that is greater than or equal to 0.

14041: Invalid file operation.

Cause	An attempt was made to perform an invalid operation on the file.
Action	Check that authority for the path is right.

14042: Invalid write: a single line cannot exceed 32767 bytes.

Cause	The amount of data to be written to a single line exceeds the maximum allowed.
Action	The length of a line cannot exceed the maximum. The maximum size is specified in the max_linesize parameter.

14043: Invalid read: allowed for read-mode files only.

Cause	An attempt was made to perform an invalid read on the file.
Action	Check the file's OPENMODE.

14044: Unable to rename file: duplicate file name exists.

Cause	The file name already exists.
Action	Either overwrite or delete the existing file.

14045: Unable to remove file: file was not found.

Cause	The file to be deleted does not exist.
Action	Verify that the file exists.

14046: Internal error.

Cause	Internal system error.
Action	Contact the system administrator.

14047: Character set mismatch.

Cause	The character sets do not match.
Action	Verify that the character sets are correct.

14048: Access denied.

Cause	Access to the file or directory was denied.
Action	Modify permissions or use the user directory.

14049: Unable to execute on an open file.

Cause	The task cannot be executed on an open file.
Action	Close the file and try again.

14050: Specified job was not found in the job queue.

Cause	A job matching the job number has not been added to the job queue.
Action	Check the job number and try again.

14051: Execution of job [%1$d] failed.

Cause	An error occurred while executing job [%1$d].

Action	Verify that a DD object related to the job exists.

14052: Invalid argument %1$s.

Cause	The argument value invalid, NULL, or out of range.
Action	Correct the argument value.

14053: Specified directory was not found.

Cause	The given directory could not be found.
Action	Verify that the directory exists.

14054: Access denied.

Cause	Access to the directory or file was denied.
Action	Verify that the user has permission to access the directory or file.

14055: Invalid directory.

Cause	The directory is invalid.
Action	Check the directory or contact DBA.

14056: Invalid file operation.

Cause	Invalid file access method.
Action	Verify that the file access method is correct.

14057: File must be opened first.

Cause	The file is not open.
Action	Open the file first.

14058: Maximum number of opened files has been reached.

Cause	The number of open files has reached the maximum.
Action	Close some open files.

14059: Locked by another user.

Cause	A lock has already been obtained by another user.
Action	Try later.

14060: Fetch out of sequence.

Cause	Statements were executed in the wrong order.
Action	Execute PSM statements following the fetch sequence.

14061: Some variables are not yet bound.

Cause	The bind parameters are not all bound yet.
Action	Perform the bind_variable function for all parameters.

14062: The type of bound value is mismatched.

Cause	The column_value function was executed in a column type other than the defined one.
Action	Execute column_value in a column type that matches the defined type.

14063: Too many cursors opened with DBMS_SQL package.

Cause	Too many cursors were opened in a single session with the DBMS_SQL package.
Action	Decrease the number of cursors to open.

14064: Statement not yet parsed.

Cause	An attempt was made to call a function in a statement which had not yet been parsed.

Action	Parse the statement first and then call the bind_variable, execute and fetch_rows functions.

14065: Variable was not found in SELECT list.

Cause	An attempt was made to define a column which does not exist in the SELECT list, or bring a undefined column.
Action	Check that the definition matches the SELECT list, and that column_value was called by the defined column.

14066: URL contains malformed escape code sequence.

Cause	The URL contains a malformed code sequence.
Action	Check the URL.

14067: HTTP request failed.

Cause	The HTTP server request failed.
Action	Check that the HTTP server is properly running, that the schema. In some cases, a request might fail due to timeout.

14068: Invalid URL was requested.

Cause	The URL is invalid.
Action	Check the URL.

14069: URL scheme is unknown or unrecognized.

Cause	Unknown scheme (scheme://) was included in the URL.
Action	Check to see that it is a supported scheme.

14070: Header was not found.

Cause	Either there is no header in the response from the server, or a header cannot be parsed since the response is not correct.
Action	Check that the response from the server is correct.

14071: Read timeout occurred and no data was read.

Cause	There is no response from the server.
Action	Check that the server is properly running and that the network delay time is under 20 seconds.

14072: Invalid dump option.

Cause	The dump option is invalid.
Action	Check whether the dump option is correct.

14073: Invalid tablespace name.

Cause	The tablespace name is invalid.
Action	Check whether the tablespace name is correct.

14074: Invalid datafile number.

Cause	The datafile number is invalid.
Action	Check whether the datafile number is correct.

14075: Invalid block number.

Cause	The block number is invalid.
Action	Check whether the block number is correct.

14076: Invalid segment owner.

Cause	The segment owner is invalid.
Action	Check whether the segment owner is correct.

14077: Invalid segment name.

Cause	The segment name is invalid.
Action	Check whether the segment name is correct.

14078: Invalid segment type.

Cause	The segment type is invalid.
Action	Check whether the segment type is correct.

14079: Invalid partition name.

Cause	The partition name is invalid.
Action	Check whether the partition name is correct.

14080: CLUSTER type is not supported.

Cause	CLUSTER type is not supported.
Action	Check if the schema object is CLUSTER type.

14081: Specified owner cannot be found.

Cause	There is no user with the name in the argument.
Action	Check if the owner is correct

14082: Specified object name or partition name cannot be found.

Cause	There is no object with the names in the argument.

Action	Check if the object name or the partition name is correct.

14083: Input or input_string is null

Cause	Input or input_string should have a value.
Action	

14084: Invalid argument %1$s.

Cause	The argument value is invalid, NULL, or out of range.
Action	Correct the argument value.

14085: Invalid SQL statement.

Cause	This procedure cannot be called when the SQL statement is not a %1$s.
Action	Use this procedure when the SQL statement is a %1$s.

14086: DBMS_SQL.DESCRIBE_COLUMNS overflow: col_name field in desc_rec.

Cause	col_name_len=%1$s (> 32).
Action	Use DESCRIBE_COLUMNS2 procedure.

14087: Invalid key value: The length of the key is too short.

Cause	The key value is invalid.
Action	The key must contain %1$d or more characters.

14088: Invalid iv value: The length of initialization vector is too short.

Cause	The iv value is invalid.

Action	The iv must contain %1$d or more characters.

14089: Invalid input size: The size must be multiples of %1$d bytes.

Cause	The size of the input parameter is invalid.
Action	Set the length of input parameter to multiples of %1$d bytes.

14090: Internal DBMS_CRYPTO encryption or decryption error.

Cause	An error occurred during encryption or decryption using the DBMS_CRYPTO package.
Action	Contact the system administrator.

14091: Internal DBMS_CRYPTO encryption or decryption error. Reason: %1$s.

Cause	An error occurred during encryption or decryption using the DBMS_CRYPTO package.
Action	Check if the data is valid and contact the system administrator.

14092: Internal DBMS_OBFUSCATION_TOOLKIT error. Reason: %1$s.

Cause	An error occurred during encryption or decryption using the DBMS_OBFUSCATION_TOOLKIT package.
Action	Check if the data is valid and contact the system administrator.

14093: The standard function '%1$s' is not called from the SQL statement.

Cause	The standard function '%1$s' is called only from the SQL statement.
Action	Call the function in the SQL statement.

14094: A general network error occurred at the UTL_TCP package.

Cause	A general network error occurred at the UTL_TCP package.
Action	Check if the connection is valid.

14095: The length of a line read by a server is too long.

Cause	The length of a line read by a server is too long.
Action	Use another API for reading.

14096: No more data to be read is available from the connection.

Cause	No more data to be read is available from the connection.
Action	Stop reading anymore.

14097: Timeout for TCP connection, transmit, or reception.

Cause	No reply is arrived within timeout (seconds).
Action	Check the status of the TCP connection.

14098: An internal buffer allocated to read the HTTP header is overflowed.

Cause	Too large HTTP header is received from the HTTP server.
Action	Check if the HTTP server is valid.

14099: Pipe name duplicated.

Cause	A pipe of the same name already exists.
Action	Create an another name of piple or reuse the existing pipe.

14100: Failed to create a pipe.

Cause	Pipe creation had failed due to system limit and redundant pipe creation.
Action	Contact the system administrator.

14101: DBMS_PIPE package buffer size exceeded.

Cause	DBMS_PIPE package buffer size exceeded so no more data can be entered.
Action	Empty the data in the buffer by calling the DBMS_PIPE.SEND_MESSAGE function.

14102: Read buffer in the DBMS_PIPE package is empty.

Cause	Data in the buffer read through the DBMS_PIPE.RECEIVE_MESSAG function are all read.
Action	None

14103: The requested data type is different from the actual data type.

Cause	The requested data type is different from the actual data type.
Action	Call the DBMS_PIPE.UNPACK_MESSAGE procedure by using a valid message type.

14104: DBMS_PIPE internal error

Cause	DBMS_PIPE internal error
Action	Contact the system administrator.

14105: Cannot create a policy for SYS user's object.

Cause	There was an attempt to create a policy for SYS user's object.
Action	This command cannot be executed.

14106: policy \'%2$s\' already exists in table \'%1$s\'.

Cause	The same name of policy already exists.
Action	Check the policy name.

14107: policy \'%2$s\' does not exist in table \'%1$s\'.

Cause	The policy does not exist.
Action	Check the name of the policy.

14108: Cannot execute policy function.

Cause	Cannot execute policy function.
Action	Check fine-grained audit policy.

14109: Authority to access the pipe is required.

Cause	The pipe was privately created by a different user.
Action	Contact the user who created the pipe.

14110: The collection bound with DBMS_SQL.BIND_ARRAY is empty.

Cause	If the collection bound with DBMS_SQL.BIND_ARRAY is empty, batch update cannot be performed.
Action	Fill the bound collection with data.

14111: The type of a column to be obtained with DBMS_SQL.COLUMN_VALUE_LONG is not LONG.

Cause	DBMS_SQL.COLUMN_VALUE_LONG can be used only for the LONG type columns.
Action	Check the column type.

14112: An invalid SQL name was specified.

Cause	The argument is invalid for an SQL name.
Action	Refer to a description of DBMS_ASSERT in the manual, and specify a valid argument.

14113: An invalid qualified SQL name was specified.

Cause	The argument is invalid for a qualified SQL name.
Action	Refer to a description of DBMS_ASSERT in the manual, and specify a valid argument.

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15001: Function not yet supported.

Cause	The function is not yet supported.
Action	It will be supported in the next version.

15002: Parsing failed.

Cause	Parsing failed.
Action	Check the syntax.

15003: Pragma check failed.

Cause	Failed during pragma check; two parameters that should match, did not.
Action	Check the parameters and modify them.

15004: Parse tree checking failed.

Cause	Failed during the parse tree check; the parse trees of two parameters did not match.
Action	Check the parameters used in the statement and modify them.

15005: Unable to open the command file. Please run gen_psm_cmd.sh.

Cause	Unable to open the psm_commands file for PSM compilation.
Action	Verify that the psm_commands file exists under the config directory, or contact the technical support team.

15006: Nested comment detected.

Cause	The comment is duplicated.
Action	Check the comment.

15007: Unterminated comment detected.

Cause	The comment is not terminated.
Action	Check the comment and terminate it properly.

15008: Unterminated string detected.

Cause	The string is not terminated.
Action	Check the string and terminate it properly.

15009: Invalid ID: length cannot be 0.

Cause	The ID length is 0.
Action	Check the ID and make sure it has a length greater than 0.

15010: Newline cannot be used in quoted ID.

Cause	The ID string is declared over several lines.
Action	Declare the ID on one line.

15011: Unhandled character.

Cause	Unknown character.
Action	Verify that a character is not out of place.

15012: Default expression is required.

Cause	No default expression has been defined.

Action	Define a default expression.

15013: Type constraint is required.

Cause	No type constraint has been defined.
Action	Define type constraints.

15014: Expression is required.

Cause	No expression has been defined.
Action	Define an expression.

15015: Body of subprogram unit '%1$s' is required.

Cause	No subprogram body has been defined.
Action	Define the subprogram body.

15016: Package body '%1$s' is required.

Cause	No package body has been defined.
Action	Define the package body.

15017: Non-query expressions are not allowed.

Cause	An SQL statement that is not a SELECT statement was used.
Action	Modify the SQL statement to use a SELECT statement.

15018: Missing INTO clause.

Cause	INTO clause is missing.
Action	Specify an INTO clause.

15019: Missing RETURN clause.

Cause	RETURN clause is missing.
Action	Specify a RETURN clause.

15020: Character unit (CHAR or BYTE) is not allowed.

Cause	Character unit (CHAR or BYTE) is not allowed.
Action	Change the data type.

15021: Schema name is not allowed.

Cause	Schema name is not allowed.
Action	Do not specify a schema name.

15022: AUTHID clause is not allowed.

Cause	AUTHID clause is not allowed.
Action	Do not specify an AUTHID.

15023: Default expression is not allowed.

Cause	Default expression is not allowed.
Action	Delete the default expression.

15024: HANDLER cannot be specified after OTHERS.

Cause	A HANDLER clause cannot be used after OTHERS.
Action	Move it to a different place or delete it.

15025: Expression is not allowed.

Cause	Expression is not allowed.

Action	Do not specify an expression.

15026: Specification is not allowed.

Cause	Specification is not allowed.
Action	Move it to a different place or delete it.

15027: RETURN is not allowed.

Cause	RETURN clause is not allowed.
Action	Delete the RETURN clause.

15028: INTO clause is not allowed.

Cause	INTO clause is not allowed.
Action	Delete the INTO clause.

15029: OUT parameter is not allowed.

Cause	OUT parameter is not allowed.
Action	Delete it or use an IN parameter.

15030: REVERSE is not allowed.

Cause	REVERSE character is not allowed.
Action	Delete the REVERSE character.

15031: Dynamic SQL is not allowed.

Cause	Dynamic SQL statements are not allowed.
Action	Modify or delete the SQL statement.

15032: Unable to open IN mode parameter cursor.

Cause	Cannot open the cursor of IN parameter.
Action	Delete OPEN, or change to an OUT or IN/OUT parameter cursor.

15033: Bind parameter can only be used in the trigger.

Cause	The bind parameter was used somewhere in DDL besides the trigger.
Action	Delete the bind parameter.

15034: PRAGMA clause is not allowed.

Cause	The specified PRAGMA clause is not allowed in this area.
Action	Modify or delete the PRAGMA clause.

15035: Number is out of range.

Cause	The number is out of range.
Action	Check the value.

15036: Type constraint is out of range.

Cause	A type constraint is out of range.
Action	Verify that the type constraints are correct.

15037: Label mismatch.

Cause	The labels do not match.
Action	Make sure that the labels match.

15038: Type mismatch.

Cause	The data types do not match.

Action	Check that the data types are compatible.

15039: Parameter mismatch.

Cause	The declaration and the called parameter do not match.
Action	Verify that the parameter is correct.

15040: Specification mismatch.

Cause	The declaration and the definition do not match.
Action	Verify that the declaration is correct.

15041: Multiple subprograms match the specified argument(s).

Cause	There are many subprograms that match the specified argument(s).
Action	Modify the argument(s).

15042: No subprogram matches the specified argument(s).

Cause	No subprogram matches the specified argument(s).
Action	Modify the argument(s).

15043: INTO list mismatch.

Cause	The number of parameters in the INTO clause does not match the query.
Action	Ensure that the number of parameters in the INTO clause matches the query.

15044: Undefined identifier '%1$s'.

Cause	Undefined identifier.
Action	Define the identifier.

15045: Unknown attribute name.

Cause	Unknown attribute name.
Action	Verify that the attribute name is correct.

15046: Identifier is out of scope.

Cause	The identifier is out of scope.
Action	Modify the identifier scope or delete it.

15047: Dot operator (.) cannot be used with this ID type.

Cause	The dot operator (.) cannot be used for this ID, as it is not a record, block label, procedure, or username.
Action	Make sure the dot operator is used with the correct ID types.

15048: Parenthesis operator cannot be used with this ID type.

Cause	Cannot use a parenthesis operator for this ID, as it is not a by table'.
Action	Make sure the parenthesis operator is used with the correct ID types.

15049: Constant value was expected.

Cause	The value specified is not a constant.
Action	Use a constant value.

15050: Missing value.

Cause	A value was expected but not found.
Action	Specify a value.

15051: Missing cursor.

Cause	A cursor was expected but not found.
Action	Specify a cursor.

15052: Missing label.

Cause	A label was expected but not found.
Action	Specify a label.

15053: Missing type.

Cause	A type was expected but not found.
Action	Specify a type.

15054: Missing exception.

Cause	An exception was expected but not found.
Action	Specify an exception.

15055: Expression or constant cannot be an lvalue.

Cause	Cannot use an assignment expression for the corresponding expression.
Action	Use another expression or modify the current expression.

15056: Invalid cursor: static cursor was expected.

Cause	A static cursor was expected, but a reference cursor was found instead.
Action	Specify a static cursor.

15057: Invalid cursor: reference cursor was expected.

Cause	A reference cursor was expected, but a static cursor was found instead.

Action	Specify a reference cursor.

15058: Missing procedure.

Cause	A procedure was expected but not found.
Action	Specify a procedure.

15059: Missing identifier.

Cause	An identifier was expected but not found.
Action	Specify an identifier.

15060: Missing declaration.

Cause	A declaration was expected but not found.
Action	Specify a declaration.

15061: Missing loop label.

Cause	A loop label was expected but not found.
Action	Specify a loop label.

15062: Missing record.

Cause	A record was expected but not found.
Action	Specify a record.

15063: Duplicate identifier '%1$s' exists.

Cause	An identifier with this name already exists.
Action	Modify the identifier name.

15064: Duplicate parameter name exists.

Cause	A parameter with this name already exists.
Action	Modify the parameter name.

15065: Duplicate handler clause exists.

Cause	A handler clause with this name already exists.
Action	Modify the clause.

15066: Positional argument is not allowed after named argument.

Cause	Positional arguments cannot come after a named arguments.
Action	Delete or move the positional argument.

15067: Invalid type constraint.

Cause	An invalid type constraint was detected.
Action	Modify the type constraint.

15068: Invalid attribute.

Cause	Invalid attribute.
Action	Modify the attribute.

15069: Invalid DBMS error code for pragma exception_init.

Cause	An invalid error code was used for pragma exception_init.
Action	Modify the error code.

15070: Invalid pragma.

Cause	Invalid pragma.

Action	Modify the pragma.

15071: Invalid table index type.

Cause	Only BINARY_INTEGER, PLS_INTEGER, and character types are allowed for the table index type.
Action	Modify the table index type.

15072: Invalid declaration location.

Cause	The location of the declaration is wrong - it must precede the body.
Action	Declaration must be specified before the definition.

15073: Invalid overloading.

Cause	Overloading is invalid here.
Action	Modify the procedure.

15074: Invalid RETURN clause.

Cause	Invalid RETURN clause.
Action	Correct the RETURN clause.

15075: Invalid GOTO clause.

Cause	Invalid GOTO clause.
Action	Correct the GOTO clause.

15076: Invalid EXIT clause in loop.

Cause	Invalid EXIT clause in loop.
Action	Correct the EXIT clause.

15077: Invalid CASE statement: return value cannot be NULL.

Cause	The return value of a CASE expression cannot be NULL.
Action	Modify the CASE statement.

15078: Invalid function call or collection variable access.

Cause	An invalid attempt was made to call an invalid function or access a collection variable.
Action	Modify the statement to use a valid function call or access an array.

15079: Invalid parameter.

Cause	Invalid parameter.
Action	Modify the parameter.

15080: Invalid SQL statement.

Cause	Invalid SQL statement.
Action	Correct the SQL statement.

15081: Invalid collection method.

Cause	Invalid use of collection type method.
Action	Check the return type and parameters of the method.

15082: Invalid return type.

Cause	Invalid return type.
Action	Specify a different return type

15083: Invalid collection variable index.

Cause	Invalid use of index of the collection variable.

Action	Modify the index.

15084: LONG or LONG RAW data types cannot be used as subprogram parameter type.

Cause	Cannot use LONG or LONG RAW for a parameter type.
Action	Modify the parameter type or use another subprogram.

15085: Program did not return a value.

Cause	The program terminated abnormally.
Action	Contact the system administrator.

15086: User-defined exception.

Cause	It is a user-defined error.
Action	Check the user-defined error statement.

15087: Not yet implemented.

Cause	Not yet implemented.
Action	This will be supported in the next version.

15088: Critical error occurred while handling another error.

Cause	A critical error occurred.
Action	Contact the system administrator.

15089: Type conversion failed.

Cause	Failed in type conversion.
Action	Check the type.

15090: Unable to access uninitialized variable.

Cause	An uninitialized variable was accessed.
Action	Initialize the variable.

15091: Body of object %1$u was not found.

Cause	A binary for executing the function does not exist.
Action	Recreate the function.

15092: Parameter exceeded 32K size limit.

Cause	The size of the parameter exceeded the maximum of 32K.
Action	Decrease the parameter size or use another parameter.

15093: NULL value cannot be passed to NOT NULL constrained parameter.

Cause	The NULL value cannot be used for this parameter.
Action	Specify a value other than NULL.

15094: Parse tree size overflow.

Cause	The program length exceeded the maximum length allowed.
Action	Shorten the program or create it as package.

15095: Trigger/function cannot access table '%1$s' while it is being modified.

Cause	The called trigger or subprogram refers to the table.
Action	Modify the trigger or subprogram so that they do not refer to the table.

15096: INSERT/UPDATE/DELETE is restricted in this context.

Cause	Procedures called within the query cannot contain DML statements.
Action	Remove the DML from the procedure or use another procedure.

15097: DDL/TCS is restricted in this context.

Cause	Procedures called from a DML statement or query cannot contain DDL or TCS statements.
Action	Remove DDL or TCS statements from the statement or use another subprogram.

15098: Variable has not been initialized.

Cause	An attempt was made to assign a value to a uninitialized variable.
Action	Initialize the variable first.

15099: Missing case statement.

Cause	ELSE statement does not exist, or there is no matching condition.
Action	Specify an ELSE statement or check the condition clause.

15100: Table or array has not been initialized.

Cause	Unable to call functions (other than EXISTS) or assign values to uninitialized tables or arrays.
Action	Initialize the table or array first.

15101: Cursor is already open.

Cause	Unable to open already opened cursors.
Action	The cursor is already open.

15102: Invalid cursor operation.

Cause	Invalid cursor operation.
Action	Check the status of the cursor.

15103: Invalid user ID or password.

Cause	Invalid user ID or password.
Action	Verify that the user ID and password are correct, and then try relogging.

15104: No matching data found.

Cause	This error occurs when there are no result rows for a SELECT deleted.
Action	Check the SQL statement or the access statement related to the collection.

15105: Not logged on to server.

Cause	There is no active connection to the server.
Action	Log on to the server and try again.

15106: Internal error.

Cause	PSM internal error.
Action	Contact the system administrator.

15107: Row type mismatch.

Cause	The host cursor variable type and the PSM internal cursor variable type do not match.
Action	Verify that the cursor type in use is correct.

15108: SELF has not been initialized.

Cause	Unable to call the MEMBER function of an uninitialized object.

Action	Initialize the object first.

15109: Memory error.

Cause	Not enough memory or invalid memory data.
Action	Contact the system administrator.

15110: Subscript is out of range.

Cause	An index is greater than the maximum length of the array or beyond the bounds of the table.
Action	Specify a smaller index.

15111: Subscript is out of range.

Cause	An index is less than the maximum length of the array or array.
Action	Modify the index to smaller than the declared size in the collection.

15112: Invalid ROWID.

Cause	The string is not a valid ROWID.
Action	Modify the string to be a valid ROWID.

15113: Resource timeout.

Cause	Assigning server resources took too long.
Action	Contact the system administrator.

15114: Too many rows returned.

Cause	There is more than one result row for a SELECT INTO query.
Action	Correct the SELECT statement.

15115: Invalid value.

Cause	The value is invalid.
Action	Verify that the value has a valid type and length.

15116: %1$s.

Cause	The user-defined error was not processed in an EXCEPTION clause but sent to the user.
Action	Verify that the actual cause of the error matches the cause listed above, and if necessary, add an EXCEPTION clause.

15117: Too many shared libraries were opened.

Cause	Too many shared libraries were opened at one time.
Action	Rewrite the program to use fewer shared libraries.

15119: Bind variable '%1$s' was not found.

Cause	The bind variable could not be found.
Action	Check the bind variable.

15120: PSM and server version mismatch error.

Cause	The PSM and server build versions do not match.
Action	Rebuild the whole PSM with the DDL statement ALTER SYSTEM RECOMPILE ALL.

15121: Parse tree is too large.

Cause	The parse tree is too large, so compilation failed.
Action	Modify PSM.

15122: Integer value is out of range: overflow or underflow error.

Cause	The integer value was too large or too small.
Action	Check the operation.

15123: No exception to reraise.

Cause	There is no exception to reraise.
Action	Process all exceptions, and check if 'reraise' was performed.

15124: Index is out of range: cannot be greater than [%1$d].

Cause	The specified index is out of range.
Action	Check the limit of the length of collection variable.

15125: Primitive data type is not allowed in a BULK...INTO clause.

Cause	Primitive data type variable is not allowed.
Action	Use a collection variable.

15126: DML without bind parameters is not allowed.

Cause	In a FORALL clause, DML without bind parameters is not allowed.
Action	Use a bind parameter.

15127: Invalid use of queries.

Cause	In a FORALL clause, queries are not allowed.
Action	Use FOR/LOOP/CSR_FOR_LOOP statements.

15128: Invalid data type: must be a collection type.

Cause	Invalid use of data type.

Action	Use a collection variable.

15129: Invalid element data type: must be a PLS_INTEGER or BINARY_INTEGER.

Cause	Invalid element data type.
Action	Use a PLS_INTEGER or BINARY_INTEGER data type.

15130: FORALL clause failed.

Cause	An error occurred while executing a FORALL clause.
Action	Contact the technical support team.

15131: Invalid index type for FORALL clause.

Cause	Invalid index type was used in the FORALL clause.
Action	Use a PLS_INTEGER or BINARY_INTEGER data type.

15132: Composite and scalar data types cannot be used together in INTO clause.

Cause	In an INTO clause, a composite data type and a scalar data type cannot be used together.
Action	Use either a scalar data type or a composite data type.

15133: Invalid ROWID.

Cause	Invalid ROWID.
Action	Verify that a valid ROWID value was transmitted.

15134: Record field variable is not allowed in FORALL clause.

Cause	A field variable of a record is not allowed in a FORALL clause.

Action	Specify a record variable or another variable.

15135: Element was not found at index [%1$d].

Cause	No element was found at the specified index number.
Action	Verify that the index is valid.

15136: Undefined library name '%1$s'.

Cause	The library name is not defined.
Action	Verify that the library name is correct.

15137: Invalid protocol.

Cause	The protocol is not defined.
Action	Contact the technical support team.

15138: Generic I/O error: %1$s.

Cause	An error occurred during communication with External Procedure Agent.
Action	Contact the technical support team.

15139: I/O read error.

Cause	An error occurred during communication with External Procedure Agent.
Action	Contact the technical support team.

15140: I/O write error.

Cause	An error occurred during communication with External Procedure Agent.
Action	Contact the technical support team.

15141: Unable to start External Procedure Agent.

Cause	Unable to start the tbepa process.
Action	Contact the technical support team.

15142: Execution of subprogram '%1$s' failed.

Cause	Failed to execute the external procedure.
Action	Refer to the error code of tbepa.

15143: No RETURN clause specified.

Cause	No RETURN clause was specified.
Action	Specify a RETURN clause.

15144: Too many temporary variables specified.

Cause	The statement uses too many temporary variables in interpret mode.
Action	Divide or modify the statement to decrease the number of temporary variables.

15145: Too many expressions specified.

Cause	The statement uses too many expressions in interpret mode.
Action	Divide or modify the expressions.

15146: PSM compilation error.

Cause	Failed to compile the given PSM.
Action	Check the error, and modify PSM.

15147: Identifier is too long: must be less than 4000 bytes.

Cause	The length of identifier exceeds the maximum (4,000 bytes).

Action	Shorten the identifier.

15148: Invalid object '%1$s'.

Cause	The object condition is invalid.
Action	Check the object condition, and recreate it if necessary.

15149: Serialization of a collection variable failed.

Cause	The number of elements exceeds the maximum (16,777,216).
Action	Lessen the number of elements.

15150: 'Insufficient memory' error occurred during PSM execution.

Cause	'Not enough memory' error occurred during PSM execution.
Action	Modify the program to decrease memory use.

15151: Bind parameter count mismatch.

Cause	The number of specified bind parameters is invalid.
Action	Verify that the PSM and bind parameters match.

15161: Java compilation error.

Cause	Failed to compile the Java sources in the given PSM.
Action	Check the error, and modify the Java source.

15162: DML statement must have bulk in-bind parameter in FORALL clause.

Cause	No input mode bulk parameter exists in the parameters passed to a FORALL clause.
Action	Verify that the collection is bound correctly for the FORALL clause.

15163: Unhandled exception at %1$s line %2$d.

Cause	A backtrace occurred since the exception was not handled.
Action	Find out the cause from the PSM module where the exception occurred, and add appropriate exception handling code.

15164: Invalid byte code for object '%1$d': invalid magic number.

Cause	Invalid byte code. This error may occur if the byte code was damaged, or the version is too old.
Action	Recreate the PSM object, as it cannot be executed due to the invalid byte code.

15165: PSM object '%1$d' is incompatible with current server version.

Cause	The PSM version is not compatible with the current server version.
Action	Create a new PSM object.

15166: MAXLEN cannot be used for IN parameters.

Cause	MAXLEN cannot be used for IN parameters.
Action	Use it only for OUT or IN/OUT parameters, or RETURN parameters.

15167: Invalid return type of pipelined function: must have a valid collection type.

Cause	The pipelined function contains an invalid return type.
Action	For the pipelined function, the already defined collection record.

15168: Pipelined function may not return an expression.

Cause	An attempt was made to return an expression from a pipelined function.
Action	A pipelined function cannot return an expression. Remove an function.

15169: Pipe row function can only be used in pipelined function.

Cause	An attempt was made to use a pipe row function in something other than pipelined function.
Action	Pipe row function can be used only in pipelined function. Add function.

15170: %1$s

Cause	Invalid Error code
Action	Check the error message.

15171: Object body '%1$s' is required.

Cause	No object body has been defined.
Action	Define the object body.

15172: Object has not been initialized.

Cause	Unable to call function/procedures or assign values to uninitialized objects.
Action	Initialize the object by using the constructor function first.

15173: Constructor of object does not exist.

Cause	Constructor of object does not exist.
Action	Add a constructor of the object.

15174: Constructor name does not match with the type name.

Cause	Constructor name does not match with the type name.
Action	Modify the constructor name.

15175: Constructor must return SELF AS RESULT.

Cause	Constructor must return SELF AS RESULT.

Action	Set SELF AS RETURN as a return type of constructor.

15176: Specification of subprogram unit '%1$s' is required.

Cause	Object type member subprograms need to be declared in the object spec.
Action	Define the subprogram spec in the object type specification.

15177: Object type '%1$s' is recursively declared.

Cause	Object type cannot be self referenced.
Action	Do not declare the object type recursively.

15178: Exceeds the limitation of the maximum record field count.

Cause	Exceeds the limitation of the maximum record field count.
Action	Declare less than 32568 fields per record.

15180: The PSM recursive level is too deep.

Cause	The PSM recursive level is too deep.
Action	Modify the value of the '_PSM_RECURSIVE_LVL' parameter.

15181: Invalid collection variable access.

Cause	An invalid attempt was made to access a non-collection variable using ().
Action	Modify the statement to access a collection-type array.

15182: Invalid collection method call.

Cause	An invalid attempt was made to call a non-void collection method using ().
Action	Remove () when calling a non-void collection method.

15183: An error occurred while wrapping PSM source code.

Cause	An unexpected error occurred while wrapping PSM source code.
Action	Contact the system administrator.

15184: An error occurred while unwrapping PSM source code.

Cause	An unexpected error occurred while unwrapping PSM source code.
Action	Contact the system administrator.

15185: Unable to declare external procedure.

Cause	The number of parameters in the external procedure is too large.
Action	Reduce the number of parameters in the external procedure and try again.

15186: EXTERNAL PROCEDURE cannot recursively issue a CALLBACK function.

Cause	The specification is not supported.
Action	Contact the technical support team.

15187: Java source compilation had failed. %1$s.

Cause	Java source compilation had failed.
Action	Java source compilation had failed.

15188: Batch update in PSM had failed.

Cause	Occurred in the batch update operation where PSM's FORALL statement or DBMS_SQL package was used.
Action	Check whether the SQL statement is suitable for the batch update. If there's no problem, contact the technical support team.

15189: PP had been invalidated during the batch update operation within PSM.

Cause	PP had been invalidated during the batch update operation where PSM's FORALL statement or DBMS_SQL package was used.
Action	Contact the technical support team.

15190: Not appropriate permission to create EXTERNAL PROCE DURE in DIRECT EXECUTE mode.

Cause	User does not have an appropriate permission to create EXTERNAL PROCEDURE in DIRECT_EXECUTE mode.
Action	User should have the SYSDBA permission.

15191: The duplicate index '%1$s' has been used incorrectly in the FORALL statement.

Cause	Only an automic value is allowed for accessing the collection using duplicate index in the FORALL statement.
Action	Remove the arithmetical operation used for accessing the collection.

15192: Failed to optimize PSM Constant Folding.

Cause	There is an expression that cannot be handled while optimizing PSM Constant Folding.
Action	Disable the option for optimizing PSM Constant Folding.

15193: It was failed to compile the external procedure, as the %1$s package could not be found.

Cause	To execute the external procedure, the %1$s package is required.
Action	Contact the system administrator.

15194: The cursor '%1$s' that has not been declared as FOR UP DATE cannot be used for a CURRENT OF section.

Cause	Only the cursor of the query declared as FOR UPDATE can perform positioned update.
Action	Insert a FOR UPDATE section to the query specified in the cursor.

16001: Unable to allocate the shared memory (_PPC_MAX_CHUNK_SIZE is too small)

Cause	Unable to allocate the shared memory (_PPC_MAX_CHUNK_SIZE is too small)
Action	Increase the value of _PPC_MAX_CHUNK_SIZE.

17001: Login failed: invalid user name or password.

Cause	Invalid user name or password.
Action	Verify that the user name and password are correct.

17002: Password has expired.

Cause	Password has expired.
Action	Update the password and then try again.

17004: Permission denied.

Cause	You aren't authorized to do this.
Action	Obtain proper authorization and try again.

17005: Cascade option is required before revoking privilege.

Cause	Constraints using the corresponding reference object privilege exist.
Action	Specify the cascade option.

17006: Account is locked.

Cause	The user's account is locked.
Action	Unlock the account.

17007: Password file is corrupted or missing: unable to log in.

Cause	The password file is invalid or does not exist.

Action	Password file will be created automatically if the server is server normally, contact the technical support team.

17008: Unable to log in: server is booting up or shutting down.

Cause	Cannot log on now, since the server is booting or shutting down.
Action	Log on after the boot process finishes.

17009: Cannot change the password.

Cause	It is against the condition for password change.
Action	Check the values of PASSWORD_REUSE_TIME and PASSWORD_REUSE_MAX in user profile settings or whether the password string is too simple.

17010: The password has expired.

Cause	The password has expired.
Action	Update the password and then try again.

18001: System call error: %1$d (%2$s).

Cause	An error occurred in system call.
Action	Check the system call arguments.

18002: open('%2$s') failed -- %1$s.

Cause	The file does not exist or you lack permission to open it.
Action	Modify file and directory permissions.

18003: write() failed -- %1$s.

Cause	Failed to write to the file
Action	Check that the disk is operating normally. If the disk is full, free up some space.

18004: write() failed -- disk full.

Cause	Failed to write to the file.
Action	Check that the disk is running normally. If the disk is full, free up some space.

18005: link('%2$s', '%3$s') failed -- %1$s.

Cause	Failed to link the file.
Action	Modify file and directory permissions.

18006: rename('%2$s', '%3$s') failed -- %1$s.

Cause	The file does not exist or you lack permission to open it.

Action	Modify file and directory permissions.

18007: mkdir('%2$s') failed -- %1$s.

Cause	Failed to create the directory.
Action	Modify the permissions on the parent directory.

18008: fork() failed -- %1$s.

Cause	Failed to create a process.
Action	Increase system resources, or check the OS settings.

18009: exec*('%2$s') failed -- %1$s.

Cause	Failed to convert the process.
Action	Increase system resources, or check the OS settings.

18010: waitpid(%2$d) failed -- %1$s.

Cause	The child process was terminated abnormally.
Action	Check the execution environment.

18011: system('%2$s') failed -- %1$s.

Cause	Failed to execute internal commands.
Action	Increase system resources, or check the OS settings.

18012: %1$s(): child exited with return code %2$d.

Cause	Invalid execution result from child process.
Action	Contact the system administrator.

18013: %1$s(): child terminated abnormally with signal %2$d.

Cause	The child process was terminated abnormally.
Action	Check the execution environment.

18014: %1$s(): child stopped with signal %2$d.

Cause	The child process was terminated abnormally.
Action	Check the execution environment.

18015: dlopen('%2$s') failed -- %1$s.

Cause	The shared library does not exist or you lack permission to access it.
Action	Modify the file and directory permissions, recreate the corresponding schema object, or execute ALTER RECOMPILE.

18016: dlsym('%2$s') failed -- %1$s.

Cause	Cannot read a symbol in the created shared library.
Action	Recreate the corresponding schema object or execute ALTER RECOMPILE.

18017: Unknown I/O error.

Cause	An I/O error of unknown cause occurred.
Action	Contact the technical support team.

18018: write() failed -- file is too large.

Cause	Failed to write a file as the file is too big.
Action	Verify that the disk is running normally. If the disk is full, free up some space.

18019: Socket I/O timeout.

Cause	Timeout during I/O operation.
Action	Check for any communication problems between the server and the client.

21001: Unable to start transaction.

Cause	Cannot start the transaction.
Action	Check the cause of the failure and try again.

21002: No more undo space available.

Cause	Not enough space remaining in the undo tablespace.
Action	Free up space in the tablespace and specify autoextend in the datafile.

21003: Snapshot is too old.

Cause	The snapshot is too old to read.
Action	Check the cause of the failure and try again.

21004: No more extent available in tablespace '%1$s'.

Cause	Unable to create an additional extent in this table.
Action	Free up space in the tablespace and specify autoextend in the datafile.

21005: Unable to initialize datafile %1$s ('%2$d' in tablespace '%3$s').

Cause	Cannot initialize the datafile.
Action	Check the properties of the datafile.

21006: Unable to extend datafile '%1$d' in tablespace '%2$s'.

Cause	Cannot extend the datafile.
Action	Adjust the datafile so that it can be extended.

21007: Unable to shrink datafile '%1$d' in tablespace '%2$s'.

Cause	Cannot shrink the datafile.
Action	Remove segments occupying the datafile, and then try again.

21008: Savepoint '%1$s' was not found.

Cause	A savepoint which has such name does not exist.
Action	Check the savepoint name and try again.

21009: No tempfile was found.

Cause	No file exists in the temporary tablespace.
Action	Add files in the temporary tablespace and then try again.

21010: Tablespace %1$s was not found.

Cause	The specified tablespace does not exist.
Action	Specify a valid tablespace.

21011: Seqno overflow: %1$d undo segment.

Cause	Cannot increase the sequence numbers of undo segments any more, as the transaction is too long.
Action	Raise the uniform size of the undo tablespace, or use the AUTOALLOCATE option.

21012: Unable to serialize access for this transaction.

Cause	An attempt was made to access the modified data after the transactions began.
Action	The transaction is not accessible.

21013: Undo segment was not found in UNDO tablespace.

Cause	A undo segment does not exist.
Action	Specify a valid undo segment.

21014: No more extent available in SYSTEM tablespace.

Cause	Cannot extend the undo segment of system tablespace.
Action	Increase the size of the system tablespace.

21015: Unable to create a system undo segment.

Cause	Unable to create an undo segment in the system tablespace.
Action	Check the cause of the failure and try again.

21016: Insufficient processes (%1$d) for transaction recovery (at least %2$d needed).

Cause	Cannot recover non-committed transactions, as the number of processes is insufficient.
Action	Increase the number of working processes and threads.

21017: Unable to bring undo segment (#%1$d) on/offline: %2$s.

Cause	Cannot bring the undo segment online or offline.
Action	Specify a valid segment.

21018: Undo segment was not found: '%1$d'.

Cause	The undo segment does not exist.
Action	Specify a valid segment.

21019: Lock held by in-doubt distributed transaction.

Cause	Lock is held by an in-doubt transaction.
Action	Fix the in-doubt transaction and then try again.

21020: Unable to specify undo tablespace %1$s as default undo tablespace.

Cause	The specified undo tablespace cannot be used as a default undo tablespace.
Action	Make sure that the specified tablespace is an undo tablespace and is not dropped or offline.

21021: Unable to use tablespace %1$d.

Cause	Cannot use the specified temporary tablespace, as it was already dropped or being dropped now.
Action	Specify another temporary tablespace, or wait until the specified.

21022: No prepared transaction found with transaction ID %1$s.

Cause	Cannot find a prepared transaction with the requested transaction ID.
Action	Specify a valid ID.

21023: Unable to execute specified operation during TX recovery.

Cause	Cannot execute the operation, as the transaction has not been completely recovered.
Action	Try again after the transaction recovery is completed.

21024: Unable to begin new transaction in server mode %1$s.

Cause	In the current server mode, it is impossible to perform a temporary LOB type cannot be used.
Action	Start the server in NORMAL mode, and then execute the task.

21025: Unable to extend segment: maximum number of extents reached.

Cause	The number of extents reached the maximum limit specified in the segment.
Action	Raise the value of the MAXEXTENTS property of the segment.

21026: Sequence of undo segment %1$d has limit of %2$d.

Cause	The undo segment does not exist.
Action	Check the cause of the failure and try again.

21027: Unable to use temp tablespace in current server mode.

Cause	Cannot use a temporary tablespace in the current server mode.
Action	Start the server in NORMAL mode.

21028: Unable to bring minimum number of undo segments online.

Cause	The number of online undo segments exceeded the maximum limit.
Action	Increase the value of _USGMT_ONLINE_MAX parameter, or decrease the value of _USGMT_ONLINE_MIN parameter.

21029: Invalid specification for UNDO_TABLESPACE parameter.

Cause	The UNDO_TABLESPACE parameter is specified incorrectly.
Action	Specify a valid value in the UNDO_TABLESPACE parameter.

21030: DML operation is not permitted.

Cause	DML operation is not permitted.
Action	The transaction has been opened in a readonly mode. Commit or rollback before trying again.

21031: Cannot allocate itl for pe transaction.

Cause	Failed to allocate itl for PE transaction.
Action	Try again.

21032: Failed to perform two-phase commit for the massive cluster system.

Cause	Failed in the slave node. The corresponding slave tx is failed.
Action	Check the reason and whether the slave node is alive, and then try again.

21033: Cannot access a transaction (%1$d.%2$d.%3$d).

Cause	Cannot access a transaction (%1$d.%2$d.%3$d).
Action	Commit or rollback the transaction and then try again. Or, make the status of the corresponding offlined tablespace online.

22001: Unrecognized virtual table name '%1$s'.

Cause	The virtual table does not exist.
Action	The definition of dynamic performance view (DPV) may be wrong. Run 'system.sh' from the server to rebuild DPV.

22002: Virtual table '%1$s' has inconsistent definitions.

Cause	The virtual table definitions do not match those of the current server version.
Action	The definition of dynamic performance view (DPV) may be wrong. Run 'system.sh' from the server to rebuild DPV.

22003: Virtual table '%1$s' is not supported in current boot mode.

Cause	The virtual table is not supported in the current boot mode.
Action	Some virtual tables can only be implemented in certain boot modes. Check the boot mode again.

23001: Unterminated comment.

Cause	The comment is not terminated completely.
Action	Check the comment.

23002: Missing single quote.

Cause	A closing single quotation mark is missing.
Action	Check the use of single quotation marks.

23003: Missing double quote.

Cause	A closing double quotation mark is missing.
Action	Check the use of double quotation marks.

23004: Invalid identifier.

Cause	Invalid identifier.
Action	Verify that the identifier is valid.

23005: Invalid concatenate operator.

Cause	Invalid concatenate operator
Action	Verify that a double-pipe concatenation operator

23006: Invalid not equal (!=) operator.

Cause	Invalid comparison operator.

Action	Verify that one of the following was used: "!=", "^=", "~=" or "<>".

23007: Identifier is too long.

Cause	The identifier length exceeds the maximum allowed.
Action	Make sure the identifier contains less than 30 characters.

23008: String literal is too long.

Cause	The string constant is longer than 4,000 bytes.
Action	Make the string constant shorter than 4,000 bytes.

23009: Missing parenthesis.

Cause	A closing parenthesis is missing.
Action	Check the use of parentheses.

23010: Identifier is too long (maximum of %1$d characters allowed).

Cause	The length of the identifier exceeded the maximum allowed.
Action	Shorten the identifier.

24001: Unable to open controlfile.

Cause	Failed to open the control file.
Action	Check the file path and permissions, and try again.

24002: Too many %1$s.

Cause	The number of DB files exceeds the specified number.
Action	Contact the technical support team.

24003: Unable to read control file.

Cause	Cannot read the control file.
Action	Check the file path and permissions, and try again.

24004: Unable to write to control file.

Cause	Cannot write to the control file.
Action	Check the file path and permissions, and try again.

24005: Unable to create controlfile.

Cause	Failed to create a control file.
Action	Check the file path and permissions, and try again.

24006: Unable to load controlfile %1$s.

Cause	Cannot load the control file.

Action	Check the file path and permissions, and try again.

24007: Invalid control file record %1$d.%2$d.

Cause	The record was not found in the control file.
Action	Verify that the correct control file is specified and try again.

24008: Unable to add tablespace name %1$s.

Cause	Failed to add a tablespace.
Action	Check to see if the tablespace name is a duplicate.

24009: Tablespace %1$s is not empty.

Cause	The tablespace is not empty.
Action	Check data files in the tablespace and try again.

24010: Tablespace %1$s is in online backup mode.

Cause	The tablespace is involved in an online backup.
Action	Try again after the online backup is completed.

24011: Tablespace %1$s is not in online backup mode.

Cause	The tablespace is not involved in an online backup.
Action	Try again after an online backup is started.

24012: No such tablespace %1$d.

Cause	Failed to add the tablespace.
Action	Check to see if a tablespace exists and try again.

24013: No space left in tablespace %1$d.

Cause	No space is left in the control file.
Action	Check the control file and try again.

24014: Datafile %1$d is not online.

Cause	Cannot use the datafile.
Action	Contact the technical support team.

24015: Datafile %1$d was not found.

Cause	Cannot find the datafile.
Action	Contact the technical support team.

24016: Datafile %1$d in tablespace %2$d was not found.

Cause	Cannot find the datafile.
Action	Contact the technical support team.

24017: No datafile left.

Cause	No datafile left.
Action	Check the control file and try again.

24018: DD check failed.

Cause	The data dictionary does not match the control file information.
Action	Check the control file and try again.

24019: Critical error occurred.

Cause	A critical error occurred in the control file.

Action	Contact the technical support team.

24020: No such logfile ID %1$d.

Cause	Cannot find the ID of the log file.
Action	Check the log file and try again.

24021: Unable to add additional log files.

Cause	Cannot add no more log files.
Action	Check the values of MAXLOGGROUPS and MAXLOGMEMBERS.

24022: Duplicate log file ID %1$d exists.

Cause	The log file ID is already in use.
Action	Choose a new logfile ID and try again.

24023: Unable to drop log file %1$s.

Cause	Failed to delete the log file.
Action	Locate the cause of the failure and try again.

24024: Unable to drop log member %1$s.

Cause	Failed to delete the log member.
Action	Check the number of log files and see if they are archived.

24025: Unable to drop system tablespace datafile %1$d.

Cause	Cannot drop the datafile of the system tablespace.
Action	Check the datafile to be deleted.

24026: Blocksize (%1$d) does not match DB_BLOCK_SIZE (%2$d).

Cause	DB_BLOCK_SIZE is invalid.
Action	Modify DB_BLOCK_SIZE and try again.

24027: Invalid DB_NAME value in .tip file: '%1$s' should be '%2$s'.

Cause	The DB name does not match with the control file.
Action	Check the $TB_SID.tip file and the control file.

24028: Unable to begin online backup '%1$s' - %2$s.

Cause	Online backup is available only in archive log mode.
Action	Change the DB setting to archive log mode.

24029: Unable to shutdown: file %1$d ('%2$s') has online backup set.

Cause	Online backup is being processed.
Action	End the online backup and close DB.

24030: Unable to create more tablespace.

Cause	Cannot create more tablespace.
Action	Check the value of MAXDATAFILES and modify it if necessary.

24031: Unable to create more data files.

Cause	Cannot create more data files.
Action	Check the value of MAXDATAFILES and modify it if necessary.

24032: Archive filename is too long: must be less than %1$d.

Cause	The absolute path of the archive is too long.
Action	Specify a shorter name name or absolute path.

24033: Unable to add log member %1$s.

Cause	Cannot add a log member.
Action	Check the value of MAXLOGMEMBERS and modify it if necessary.

24034: Unable to change datafile #%1$d status: %2$s.

Cause	Cannot change the condition of the data file.
Action	Contact the technical support team.

24035: Unable to read file %1$d at this time.

Cause	The datafile is offline.
Action	Set the file to online and try again.

24036: Unable to modify file %1$d.

Cause	It is a read-only datafile.
Action	Change the read/write settings of the file and try again.

24037: Incompatible control file version.

Cause	The control file is not compatible.
Action	Check the version information of the control file and the server.

24038: Tablespace '%1$s' is offline.

Cause	The tablespace is offline.

Action	Set the tablespace to online and try again.

24039: Unable to modify tablespace '%1$s'.

Cause	The tablespace is read-only.
Action	Change the tablespace settings and try again.

24040: Unable to set tablespace '%1$s' as read-only: %2$s.

Cause	Cannot set the tablespace as read-only.
Action	Check the tablespace type and try again.

24041: Unable to set datafile #'%1$d' as read-only: %2$s.

Cause	Cannot set the datafile as read-only.
Action	Check the data file type and try again.

24042: Tablespace '%1$s' is not read only: %2$s.

Cause	Cannot make the tablespace read-only.
Action	Check the condition of the tablespace and try again.

24043: Unable to clear logfile: %1$s.

Cause	Cannot clear the logfile.
Action	Contact the technical support team.

24044: Redo thread #%1$d is too big (max %2$d).

Cause	No space available for redo threads.
Action	Contact the technical support team.

24045: Unable to change thread #%1$d status: %2$s.

Cause	Cannot modify the properties of the redo thread.
Action	Check the condition of the redo thread and try again.

24046: Tablespace '%1$s' is a temporary tablespace.

Cause	Temporary tablespace.
Action	Contact the technical support team.

24047: Tablespace '%1$s' is in the middle of backup.

Cause	The tablespace is involved in an online backup.
Action	Try again after the online backup is completed.

24048: File %1$d is in the middle of backup.

Cause	The datafile is involved in an online backup.
Action	Try again after the online backup is completed.

24049: Unable to open datafile #%1$d: %2$s.

Cause	Cannot open the datafile since its information does not match the control file.
Action	Check the condition of the control file and the datafile, and try again.

24050: Database cannot be run in single instance mode.

Cause	Cannot run the database in a single instance mode.
Action	Use cluster database.

24051: cannot take tablespace '%1$s' offline.

Cause	Cannot take the tablespace offline.

Action	Check the condition of the tablespace, and try again.

24052: disallowed unless media recover enabled.

Cause	Media recover not enabled.
Action	Check the log mode of the database, and try again.

24053: Cannot recover the redo thread #%1$d because it has already been closed

Cause	Cannot recover the redo thread.
Action	Check the log files belong to the redo thread.

24054: The comp version of the control file does not match.

Cause	The comp version of the control file does not match that of a server.
Action	Check the comp versions of the control file and a server and recreate a control file if necessary.

25001: XA protocol error.

Cause	Invalid XA protocol.
Action	Verify that it is a correct XA command.

25002: XA transaction branch was not found.

Cause	The XA branch does not exist.
Action	Check that the XID is correct.

25003: Unable to associate the XA transaction branch: local transaction is ongoing.

Cause	Failed to perform the XA command since there is an ongoing local transaction.
Action	Commit or roll back the local transaction first, and then perform the XA command.

25004: XA asynchronous feature is not supported by server.

Cause	An attempt was made to use an XA asynchronous command.
Action	XA asynchronous command is not supported yet.

25005: Invalid arguments were specified.

Cause	An invalid flag was included in the XA command.
Action	Check the flag again.

25006: XA transaction branch is in rollback-only status for an un specified reason.

Cause	The XA branch is in rollback-only status.
Action	Try xa_rollback.

25007: XA transaction branch is read-only.

Cause	The XA branch is in read-only status, since there is no transaction active.
Action	Automatically terminate the branch.

25008: Duplicate XID exists.

Cause	There is another XA branch with the same XID.
Action	Check the XID or try again with another XID.

25009: Resource manager has indicated a problem with an XA branch.

Cause	Cannot perform the task, since loose_coupling of the existing other, or the XA command is wrong.
Action	Verify that the XA command is correct or roll back the branch and try again.

25010: Transaction branch has been heuristically committed.

Cause	The XA branch has already been committed.
Action	Verify that the XA command is correct, or remove the terminated XA branch with xa_forget.

25011: Transaction branch has been heuristically rolled back.

Cause	The XA branch has already been heuristically rolled back.
Action	Verify that the XA command is correct, or remove the terminated XA branch with xa_forget.

25012: Transaction branch has been heuristically committed or rolled back.

Cause	The XA branch was already committed or rolled back.
Action	Verify that the XA command is correct, or remove the terminated XA branch with xa_forget.

25013: XA branch has timed out (sesswt).

Cause	The transaction was rolled back, since the requested command could not been completed until session waiting time expired.
Action	Try again.

25014: No prepared XA transaction found with transaction ID %1$s.

Cause	Cannot find a prepared XA transaction with the requested transaction ID.
Action	Check it again.

25015: Unable to create more XZ branches: maximum number of branches reached.

Cause	Cannot create any more XA branches - limit set in XA_MAX_BRANCH_CNT has been reached.
Action	Try later.

26003: LOB object is too large.

Cause	LOB type data is too large.
Action	Check if the size of the LOB type object is larger than the maximum limit (4 GB * DB block size).

26004: Offset is out of range.

Cause	The LOB offset is greater than the length of the LOB.
Action	Specify a valid offset.

26005: Trim length is out of range.

Cause	The trim length is greater than the length of the LOB.
Action	Specify a valid length.

26006: LOB is read-only.

Cause	An attempt was made to write to a LOB opened in read-only mode.
Action	Open the LOB in read/write mode.

26007: Row containing LOB column is not locked.

Cause	The row which contains a LOB column to be used in a read/write mode is not locked.
Action	Lock the row and reopen it.

26008: LOB was not found.

Cause	The LOB data to open or use does not exist.
Action	The row may have been deleted. Verify that the LOB data exists and try again.

26009: Invalid LOB locator specified.

Cause	The DBA or ROWNO of the specified LOB locator is not correct.
Action	Try again with a valid LOB locator.

26010: Unable to write with a terminated transaction.

Cause	Cannot write to a LOB using a terminated transaction.
Action	Open the LOB data after starting the transaction again.

26012: Invalid LOB locator length.

Cause	The length of the specified LOB locator is invalid.
Action	Try again with a valid LOB locator.

26013: Invalid LOB locator segment ID.

Cause	The segment ID of the specified LOB locator is invalid.
Action	Try again with a valid LOB locator.

26014: Invalid LOB ID of LOB locator.

Cause	The LOB ID of the specified LOB locator is invalid.
Action	Try again with a correct LOB locator.

26019: Uninitialized LOB locator was specified.

Cause	The LOB locator has not been initialized.

Action	Perform initialization before searching for the LOB.

26020: Cannot read a LOB object in a remote server.

Cause	Cannot read a LOB object in a remote server.
Action	Change the query.

27001: Invalid table information specified.

Cause	Invalid table information is returned when the transaction is in prepared state.
Action	Enter correct table information.

27002: Data is not a complete row.

Cause	The last row of the given data stream is not complete.
Action	Send the remaining data.

27003: Data stream is invalid.

Cause	The data stream is invalid.
Action	Send the correct data.

27004: Invalid LONG column position.

Cause	The position of the LONG column is invalid.
Action	Place the LONG column in the very last part of the table.

27005: Direct path buffer is empty.

Cause	The DPL buffer is empty.
Action	The data has not yet been loaded. Load the data and then flush it.

27006: Transaction already exists.

Cause	A transaction already exists before the direct path is started.

Action	Commit or roll back the existing transaction.

27008: Unsupported table schema.

Cause	DPL is not supported for the schema.
Action	DPL is not supported for a composite partitioned object.

27009: Not prepared yet.

Cause	DPL has not yet been started.
Action	Start a prepare protocol first.

27010: Cannot perform DPL for temporary table.

Cause	Cannot perform DPL for temporary table.
Action	Only CPL is supported for temporary table.

27011: The table has too many columns.

Cause	The table has too many columns.
Action	Use the conventional loading method.

27012: dpl failed due to lack of resources.

Cause	dpl failed due to lack of resources.
Action	Free enough resources and continue.

28009: Unable to access LONG or LOB columns through DBlink.

Cause	An attempt was made use DBlink to refer to an object with LONG or LOB columns.
Action	Modify the query.

28010: Maximum number of group_ids (255) has been reached.

Cause	No more than 255 group_ids are allowed at a time.
Action	Modify the query.

28011: Pivot type expression %1$s cannot be used here.

Cause	The pivot type expression was used in an invalid location.
Action	Modify the query.

28012: Index \'%1$s.%2$s\' is in unusable state.

Cause	DML statements cannot be executed on an unusable index.
Action	Change the condition of the index.

28013: Duplicate outline.

Cause	The outline name cannot be used because the name is already in use.
Action	Use another outline name.

28014: Column \'%1$s.%2$s\' has invalid statistics.

Cause	Column \'%1$s.%2$s\' has invalid statistics.

Action	Delete or regather statistics using the dbms_stat package.

제26장 29000 ~ 29999

29001: Lock failed (op: %1$s, step: %2$s, lock: %3$s, ec: %4$d).

Cause	The lock operation failed.
Action	Locate the cause of the failure and retry.

29002: Unlock failed (op: %1$s, step: %2$s, ec: %3$d).

Cause	The unlock operation failed.
Action	Locate the cause of the failure and retry.

29003: Failed to connect to CM (Cluster Manager).

Cause	Failed to connect to CM.
Action	Verify that the information about connecting to CM (e.g. IP address and port number) in '$TB_SID.tip' is valid.

70001: SQL buffer is empty.

Cause	The SQL buffer is empty.
Action	Retry the command after executing a SQL statement more than once.

70002: Failed to open the file '%1$s': %2$s.

Cause	Failed to open the file.
Action	Check the file name and path.

70003: Invalid command. Enter HELP or HELP <command>.

Cause	Invalid command.
Action	Check if the command is correct.

70004: Not connected to the server.

Cause	Not connected to the server or connection was lost.
Action	Check to see if there is an active connection to the server.

70005: Invalid object name '%1$s'.

Cause	An object with that name was not found.
Action	Check that the object name is correct.

70006: Invalid schema name '%1$s'.

Cause	The schema name does not exist.

Action	Check if the schema name is correct.

70007: Invalid parameter name.

Cause	The environment variable specified for SET statement does not exist.
Action	Verify that the variable name is correct.

70008: Invalid integer value.

Cause	The integer value is invalid for a SET environment variable.
Action	Specify an integer value larger than 0.

70009: Invalid string value.

Cause	The string value is invalid for a SET environment variable.
Action	Specify a string value smaller than 128.

70010: Parameter accepts only ON or OFF values.

Cause	The parameter accepts only ON or OFF as a value.
Action	Make sure to use ON or OFF for the parameter.

70011: Invalid parameter value or type.

Cause	Invalid parameter value or type.
Action	Check the parameter value or type.

70012: Failed to set AUTOCOMMIT mode.

Cause	Failed to set AUTOCOMMIT mode.
Action	Make sure that the AUTOCOMMIT mode is correct.

70013: No modifications to be saved.

Cause	Nothing was modified, so no changes will be saved.
Action	Use the command after performing the SQL statement more than once.

70014: BLOB type cannot be displayed by tbSQL.

Cause	The tbSQL utility cannot display BLOB data.
Action	Check to see if it contains a BLOB type.

70016: New password and confirmation password do not match.

Cause	The password that was re-entered for confirmation does not match the new password.
Action	Make sure the confirmation password is typed correctly.

70017: Missing or invalid password.

Cause	Password is missing or invalid.
Action	Verify that the correct password was provided.

70018: Invalid AUTOTRACE mode.

Cause	Invalid AUTOTRACE mode.
Action	Check if the AUTOTRACE mode is correctly specified.

70019: Unable to describe invalid object.

Cause	Cannot describe an invalid object.
Action	Check to see if it is an invalid object.

70020: Specified object was not found.

Cause	The object does not exist.

Action	Verify that the object exists.

70021: Unable to set SERVEROUTPUT mode.

Cause	Failed to specify a SERVEROUTPUT environment variable.
Action	Check to see if the DBMS_OUTPUT package exists.

70022: Not yet implemented.

Cause	This function is not yet been implemented.
Action	It will be supported from the next version.

70023: Unable to set AUTOTRACE mode.

Cause	Failed to specify an AUTOTRACE environment variable.
Action	Contact the technical support team.

70024: Invalid format '%1$s'.

Cause	Invalid format type.
Action	Refer to "SQL Reference Guide" to check if the format is valid.

70025: Password is too long.

Cause	The password must be less than or equal to 64 characters.
Action	Choose a new password.

70026: Filename is too long.

Cause	The file name must be less than or equal to 256 characters.
Action	Choose a new filename.

70027: Unable to execute shell command.

Cause	Cannot execute the shell command.
Action	Refer to "Administrator Guide" to check if the shell command is valid.

70028: Invalid shutdown mode.

Cause	Invalid shutdown mode.
Action	Refer to "Administrator Guide" to check if the shutdown mode is valid.

70029: Database name is too long.

Cause	The DB name must be less than or equal to 40 characters.
Action	Choose a new DB name.

70034: Stat table creation failed.

Cause	Failed to create a stat table.
Action	Check the user's permissions for table creation.

70035: Unable to display plan: check PLUSTRACE role.

Cause	Failed to display the plan of the SQL statement.
Action	A PLUSTRACE role must be specified.

70036: Unable to gather statistics: check PLUSTRACE role.

Cause	Failed to display statistics.
Action	A PLUSTRACE role must be specified.

70037: Missing or invalid username.

Cause	The user name is missing or invalid.

Action	A user name must be at least one character long.

70038: Username is too long.

Cause	The user name must be less than or equal to 128 characters.
Action	Choose a new username..

70039: Number is invalid or out of range.

Cause	It is an invalid number, or it is not an integer.
Action	Use an integer that is within the allowed range.

70040: HELP for '%1$s' does not exist.

Cause	There is no HELP for the subject.
Action	Try another subject.

70041: Invalid first or last line number.

Cause	The first or last line number is invalid.
Action	Check the line value.

70042: Internal error occurred '%1$s'.

Cause	An internal error occurred.
Action	Contact the technical support team.

70043: Undeclared variable '%1$s'.

Cause	Undeclared variable.
Action	Verify that the variable name is correct.

70044: Invalid type.

Cause	An invalid type was used.
Action	Refer to "SQL Reference Guide" to check if the type is allowable.

70045: Declared variable was not found.

Cause	The declared variable was not found.
Action	Declare the variable first.

70047: Input is too long.

Cause	The entered value must be less than or equal to 128 characters.
Action	Re-enter the input.

70048: Invalid bind parameter '%1$s'.

Cause	Invalid bind variable
Action	Verify that the name or type of the bind variable is correct.

70050: Format value is too long.

Cause	The format value must be less than or equal to 64 characters.
Action	Re-enter the format.

70051: Environment variable is too long.

Cause	The environment variable must be less than or equal to 64 characters.
Action	Choose a new environment variable name.

70052: Function is not yet supported.

Cause	The function is not currently supported.

Action	It will be supported in the next version.

70053: Invalid expression.

Cause	Invalid expression.
Action	Refer to "SQL Reference Guide" to check if the expression is correct.

70054: Pattern '%1$s' was not found.

Cause	The pattern does not exist in the current line.
Action	Check if anything in the current line corresponds to the pattern.

70055: Invalid column '%1$s'.

Cause	Invalid column name.
Action	Verify that the column exists.

70056: Type constraint is out of range.

Cause	Type constraint is out of range.
Action	Refer to "SQL Reference Guide" to check the conditions to define a type.

70057: Column '%1$s' does not fit on the line.

Cause	The column is too long to fit on that line.
Action	Lengthen the line or shorten the column.

70058: Invalid use of DESCRIBE command.

Cause	A DESCRIBE command cannot be used for a sequence.
Action	Use another command.

70059: Invalid option '%1$s'.

Cause	Invalid option.
Action	Learn how to use the tbSQL utility.

70060: Failed to execute DESCRIBE [%1$d].

Cause	Failed to execute a DESCRIBE command.
Action	Check the error message.

70061: Failed to execute LS [%1$d].

Cause	Failed to call the list of objects.
Action	Check the error message.

70062: Failed to execute SHOW [%1$d].

Cause	Failed to execute a SHOW command.
Action	Check the error message.

70063: Failed to execute COUNT [%1$d].

Cause	Failed to execute a COUNT command.
Action	Check the error message.

70064: Substitution variable '%1$s' was not found.

Cause	The substitution variable was not found.
Action	Declare a substitution variable first.

70065: Unterminated string.

Cause	The string is not terminated.

Action	Check that quotation marks are used correctly.

70066: Operation is not allowed.

Cause	The operation is not allowed.
Action	Check permissions.

70067: Environment variable '%1$s' is empty.

Cause	An empty environment variable is used.
Action	Use an environment variable containing a value.

70068: Failed to fetch a bind variable by using the RETURNING clause.

Cause	Failed to fetch a bind variable by using the RETURNING clause.
Action	Check the error message.

70069: Too many rows returned for the RETURNING clause.

Cause	More than one row returned for the RETURNING clause.
Action	Use a SQL which returns a single row.

70070: Invalid escape value.

Cause	The escape value is invalid for a SET environment variable.
Action	Use an 1-length symbol excluding character, numeric and blank character.

70071: Invalid cursor identifier of the variable '%1$s'.

Cause	Printed before or invalid cursor identifier.
Action	Save the cursor identifier again.

70072: Variable name is too long.

Cause	The variable name must be less than or equal to 128 characters.
Action	Choose a new variable name.

70073: Integer value is out of range (%1$d..%2$d).

Cause	The integer value is out of range for a SET environment variable.
Action	Use a number within the range.

70074: Cannot recognize the wallet file.

Cause	Input file name is incorrect or empty.
Action	Check the environment variable or input the file correctly.

70075: Failed to generate a security key.

Cause	Failed to generate a security key.
Action	Contact the technical support team.

80001: Syntax error occurred in command line.

Cause	A syntax error occurred in a parameter at the command line.
Action	Specify the parameter correctly.

80002: Syntax error occurred at control parameter.

Cause	A syntax error occurred in a control parameter.
Action	Specify the parameter correctly.

80003: Column end offset must be larger than start offset at line %1$d in control parameter.

Cause	The start offset references a location after the end offset.
Action	Fix the start and end column offsets.

80004: Standard input stream failed.

Cause	Cannot read data entered in the standard input.
Action	Enter the correct information in the standard input.

80005: Column information is not specified.

Cause	Information about columns in the table is not specified.
Action	Specify column information.

80006: Character set not supported by tbLoader: only ASCII, EUCKR, MSWIN949 and UTF8 are supported.

Cause	Only ASCII, EUCKR, MSWIN949 and UTF8 are supported by tbLoader.
Action	Specify a character set supported by the tbLoader utility.

80007: Unable to initialize handle.

Cause	Cannot initialize the handle.
Action	Specify the handle correctly.

80008: Unable to open control file.

Cause	Cannot open the control file.
Action	Check to see that the control file exists at the specified path.

80009: Control file is too large.

Cause	The control file is too large.
Action	Check to see if it is larger than 10 KB.

80010: Unable to close control file.

Cause	Cannot close the control file.
Action	Check to see that the control file exists at the specified path.

80011: Unable to open data file.

Cause	Cannot open the data file.
Action	Check to see that the data file exists at the specified path.

80012: Unable to close data file.

Cause	Cannot close the data file.
Action	Check to see that the data file exists at the specified path.

80013: Unable to open log file.

Cause	Cannot open the log file.
Action	Check to see that the log file exists at the specified path.

80014: Unable to close log file.

Cause	Cannot close the log file.
Action	Check to see that the log file exists at the specified path.

80015: Unable to open error file.

Cause	Cannot open an error file.
Action	Check to see that the error file exists at the specified path.

80016: Unable to close error file.

Cause	Cannot close an error file.
Action	Check to see that the error file exists at the specified path.

80017: Unable to open binary data file.

Cause	Cannot open a binary data file.
Action	Check to see that the binary data file exists at the specified path.

80018: Unable to close binary data file.

Cause	Cannot close a binary data file.

Action	Check to see that the binary data file exists at the specified path.

80019: Unable to load binary data larger than raw column size.

Cause	The binary data file is too large.
Action	Use a large data type like BLOB or LONG RAW.

80020: Data file name required.

Cause	No data file name is specified.
Action	Specify a data file name.

80021: Table was not found.

Cause	The table does not exist.
Action	Check the table name.

80022: Table name required.

Cause	No table name is specified.
Action	Enter a table name in the control file.

80023: Invalid column name \"%1$s\".

Cause	The column name is invalid.
Action	Verify that the column name exists in the table.

80024: Unsupported data type in tbLoader.

Cause	The data type is not supported by the tbLoader utility.
Action	Check the data type.

80025: Column data exceeds data buffer size.

Cause	The column data is larger than the buffer.
Action	Increase the buffer size.

80026: Data file indicator was not found.

Cause	Cannot find the data file at the specified location.
Action	Verify that the path of the data file is valid.

80027: Unable to locate first column in data file.

Cause	Cannot find the first column in the data file.
Action	Verify that the path of the data file is valid.

80028: Unable to close external LOB or LONG data file.

Cause	Cannot close a LONG or LOB file.
Action	Check if the path of the file is valid.

80029: Unable to copy data to stream buffer in direct path load.

Cause	Cannot copy data to the DPL stream buffer.
Action	Check the size and availability of the data.

80030: Datafile has fewer lines than the number specified to skip.

Cause	The data file is smaller than the number of lines to skip.
Action	Check the data file.

80031: Error occurred while reading data file.

Cause	An error occurred while reading a data file.

Action	Check the path and modification of the data file.

80032: Invalid enclosed string was used.

Cause	An invalid enclosed string was used.
Action	Use a valid enclosed string.

80033: Data file has more errors than the maximum allowed (default: 50).

Cause	The data file has more record errors than allowed.
Action	Modify the ERRORS parameter on the command line, or modify data.

80034: Failed to load DPL stream.

Cause	Cannot connect DPL stream to server.
Action	Check the CLI error context.

80035: Field terminator was not found.

Cause	The field delimiter does not exist.
Action	Specify a field delimiter.

80036: Failed to fetch additional rows: end of file was reached.

Cause	Reached the end of the data file.
Action	Check the current offset of the data file.

80048: Unable to jump to specific offset in datafile.

Cause	Cannot find a particular offset of the data file.
Action	Verify that the data file in the given path is valid.

80049: Failed to insert data to database system.

Cause	Cannot load the data to DB.
Action	Check the CLI error context.

80050: Failed to assign outfile.

Cause	The data type cannot be read from an external file.
Action	Data types that can be read from an external file are BLOB, CLOB, LONG, LONG RAW and BINARY.

80051: Failed to alter DPL INDEX creation method.

Cause	An error occurred while changing the method to create DPL INDEX.
Action	Contact the system administrator.

80052: Failed to convert from tbLoader data type to database data type.

Cause	Cannot convert the specified tbLoader utility data type to DB server data type.
Action	Contact the system administrator.

80053: Some relatively positioned columns are not present in the record.

Cause	Some column values do not exist in the record.
Action	To bind the non-existing columns with NULL, use the TRAILING NULLCOLS option.

80054: Error occurred while writing data file.

Cause	Failed to write the data file.
Action	Check that the path of the data file or modifications is correct.

80055: Unable to copy data to the connection information buffer.

Cause	An attempt was made to copy data that is larger than the (MAXLENGTH: 62).
Action	Check the buffer length and data.

80056: Column buffer size must be larger than the difference between start offset and end offset.

Cause	The buffer size of the column is smaller than the difference user.
Action	Specify a larger buffer size, or set the location information database.

80057: LOB file field delimiter was not found.

Cause	The LOB file field delimiter does not exist.
Action	Specify a field delimiter.

80058: The LOB file field delimiter is same with the field terminator.

Cause	The LOB file field delimiter should be different from the field terminator.
Action	Specify other LOB file field delimiter.

80059: The LOB file field delimiter was not found in data file.

Cause	The LOB file field delimiter does not exist in data file.
Action	Specify a field delimiter in data file.

80060: The LOB file delimiter is same with the field terminator.

Cause	The LOB file delimiter should be different from the field terminator.
Action	Specify other LOB file field delimiter.

80061: The LOB file delimiter was not found in data file.

Cause	The LOB file delimiter does not exist in data file.
Action	Specify a delimiter in data file.

80062: Invalid date/time format.

Cause	Invalid date/time format.
Action	Use the format supported by DBMS server.

80063: Bind parameter was not found.

Cause	The bind parameter name does not exist in columns.
Action	Use a string among column names.

90100: Runtime error occurred.

Cause	A JVM runtime error occurred.
Action	Check where the error occurred.

90200: Failed to load resource(s).

Cause	Failed to load resources.
Action	Check the resources again.

90201: Unsupported operation.

Cause	The operation is not supported by JDBC driver.
Action	Check if the operation is supported by JDBC driver.

90202: Failed to read bind parameter(s).

Cause	Failed to read a bind parameter from server.
Action	Check the bind parameter of SQL statement.

90203: Unsupported server version.

Cause	An attempt was made to connect to an unsupported version of a server.
Action	Check that the driver version and server version are compatible.

90400: Communication error.

Cause	An error occurred during communication with the server.

Action	Verify that there is no problem communicating with the server.

90401: Connection refused by server.

Cause	Disconnected from the server.
Action	Try to reconnect to the server.

90402: Communication protocol error.

Cause	An error occurred relating to the communication protocol.
Action	Check the server connection.

90403: Server has ended the connection.

Cause	The connection was closed by the server.
Action	Check server connection, and try to reconnect.

90404: Internal protocol state error.

Cause	There was an error communicating with the server.
Action	Check server connection.

90405: I/O error while reading from server.

Cause	An I/O error occurred while reading data from the server.
Action	Check server connection.

90406: I/O error while writing to server.

Cause	An I/O error occurred while writing data to the server.
Action	Check server connection.

90407: I/O error while flushing data.

Cause	An I/O error occurred while writing data to the server.
Action	Check server connection.

90408: Unsupported I/O encoding method.

Cause	The I/O encoding method is not supported by the server.
Action	Check the encoding.

90409: I/O error while closing stream.

Cause	An I/O error occurred while closing a stream.
Action	Check server connection.

90410: I/O error caused by corrupted message header.

Cause	The header of the message from the server is not normal.
Action	Check the message.

90500: Server error.

Cause	The server is abnormal.
Action	Check the condition of the server.

90501: Server failed to boot up.

Cause	Failed to start up the server.
Action	Verify that the environment is adequate to start up the server.

90502: User authentication failed: invalid user ID or password.

Cause	User authentication failed.

Action	Verify that the user ID and password are correct.

90503: Failed to close session.

Cause	Failed to close a session.
Action	Check server connection.

90504: Failed to open session.

Cause	Failed to open a session.
Action	Check the server connection.

90505: Failed to close connection.

Cause	Failed to close a connection to the server..
Action	Check that the server connection is valid.

90506: Failed to create prepared statement.

Cause	Failed to create a prepared statement.
Action	Check the SQL statement.

90507: Failed to close cursor.

Cause	Cannot close the cursor of the server.
Action	Check the condition of the cursor.

90508: Failed to execute SQL statement.

Cause	Failed to execute the SQL statement.
Action	Check the SQL statement.

90509: Failed to fetch data from server.

Cause	Failed to fetch data from the server.
Action	Check the condition of the cursor.

90510: Failed to commit.

Cause	Failed to execute a commit command.
Action	Check the condition of the transaction.

90511: Failed to rollback.

Cause	Failed to execute a rollback command.
Action	Check the condition of the transaction.

90512: Failed to set autocommit.

Cause	Failed to execute an autocommit command.
Action	Check the condition of the transaction.

90513: Failed to set isolation level.

Cause	Failed to set the isolation level.
Action	Check an available isolation level.

90514: Failed to set savepoint.

Cause	Failed to set a savepoint.
Action	Check the condition of the transaction.

90515: Batch update failed.

Cause	Failed in batch update.

Action	Check the statement used in the batch update.

90516: Failed to read LOB.

Cause	Failed to read LOB data.
Action	Check the LOB locator.

90517: Failed to write LOB.

Cause	Failed to write LOB data.
Action	Check the LOB locator.

90518: Failed to search by INSTR.

Cause	Failed to find LOB data.
Action	Check the LOB locator.

90519: Failed to search by INLOB.

Cause	Failed to find LOB data.
Action	Check the LOB locator.

90520: Failed to truncate.

Cause	Failed to truncate LOB data.
Action	Check the LOB locator.

90521: Failed to open LOB.

Cause	Failed to open LOB data.
Action	Check the LOB locator.

90522: Failed to close LOB.

Cause	Failed to close LOB data.
Action	Check the LOB locator.

90523: Failed to get LOB length.

Cause	Failed to get the length of a LOB.
Action	Check the LOB locator.

90524: Failed to create temporary LOB.

Cause	Failed to create a temporary LOB.
Action	Check the LOB locator.

90525: Failed to delete temporary LOB.

Cause	Failed to delete a temporary LOB.
Action	Check the LOB locator.

90526: Failed to cancel transaction.

Cause	Failed to cancel a transaction.
Action	Check the condition of the transaction.

90527: Failed to start XA transaction.

Cause	Failed to start an XA transaction.
Action	Check the condition of the distributed transaction.

90528: Failed to end XA transaction.

Cause	Failed to end an XA transaction.

Action	Check the condition of the distributed transaction.

90529: Failed to prepare XA transaction.

Cause	Failed to prepare an XA transaction.
Action	Check the condition of the distributed transaction.

90530: Failed to commit XA transaction.

Cause	Failed to commit an XA transaction.
Action	Check the condition of the distributed transaction.

90531: Failed to rollback XA transaction.

Cause	Failed to roll back an XA transaction.
Action	Check the condition of the distributed transaction.

90532: Failed to recover XA transaction.

Cause	Failed to recover an XA transaction.
Action	Check the condition of the distributed transaction.

90533: Failed to transfer deferred data.

Cause	Failed in deferred transfer.
Action	Check if the data is valid.

90534: Failed to read LONG data.

Cause	Failed to read LONG data.
Action	Check if the LONG data is valid.

90535: Failed to get information about previously executed SQL statement.

Cause	Failed to get information about the last executed SQL statement.
Action	Verify that it is a valid SQL statement.

90536: Failed to prepare Direct Path Load.

Cause	Failed to prepare a Direct Path Load.
Action	Check the metadata of the table to be uploaded.

90537: Failed to upload stream in Direct Path Load.

Cause	Failed to upload the stream.
Action	Verify that the stream data is valid.

90538: DATASAVE failed in Direct Path Load.

Cause	Failed to perform DATASAVE for the stream.
Action	Verify that the action sequences for the stream are correct.

90539: FINISH failed in Direct Path Load.

Cause	Failed to execute FINISH for the stream.
Action	Verify that the action sequences for the stream are correct.

90540: FLUSH failed in Direct Path Load.

Cause	Failed to execute FLUSH for the stream.
Action	Verify that the action sequences for the stream are correct.

90541: ABORT failed in Direct Path Load.

Cause	Failed to execute ABORT for the stream.
Action	Verify that the action sequences for the stream are correct.

90542: FORGET failed in XA transaction.

Cause	Failed to execute FORGET for the autonomous transaction.
Action	Check the condition of the distributed transaction.

90543: Failed to reset the current session information.

Cause	Failed to initialize the current session information of the server.
Action	Check the error message.

90544: Column count mismatched in Direct Path Load.

Cause	Column count mismatched in Direct Path Load.
Action	Check the column count.

90545: Failed to set the client information.

Cause	Failed to set the client information in the server.
Action	Check the error message.

90546: Failed to get the column description.

Cause	Failed to get the column description from the server.
Action	Check the error message.

90600: Invalid use of JDBC API.

Cause	It does not meet the JDBC standard.

Action	Check the JDBC standard.

90601: Operation is invalid in autocommit mode.

Cause	The operation cannot be used in autocommit mode.
Action	Check the operation.

90602: Operation is invalid in XA transaction mode.

Cause	The operation cannot be executed in an XA mode.
Action	Check the operation.

90603: Invalid operation: disconnected from server.

Cause	The operation is invalid due to disconnection from the server.
Action	Reconnect to the server.

90604: Invalid syntax.

Cause	Invalid syntax.
Action	Check the syntax.

90605: Invalid URL.

Cause	The URL of the server is wrong.
Action	Check URL.

90606: Unable to execute batch statement.

Cause	Cannot execute the batch statement.
Action	Verify that it is a DDL statement.

90607: No result set was returned.

Cause	No result set was returned.
Action	Check the SQL statement.

90608: Invalid input parameter.

Cause	The input parameter is invalid.
Action	Check the parameter.

90609: Invalid column index.

Cause	The column index is invalid.
Action	Check the column index.

90610: Invalid data type.

Cause	The data type is unconvertible.
Action	Check the requested data type.

90611: Specified column name was not found.

Cause	The column is invalid.
Action	Check if the column exists.

90612: Conversion rule violation between DB type and JDBC type.

Cause	The data type cannot be converted to a JDBC type.
Action	Check the data type.

90613: Number of fetched rows exceeds the maximum.

Cause	The number of rows in the fetched result set exceeds the maximum.

Action	Check the number of rows to be fetched.

90614: Invalid SQL syntax.

Cause	SQL statement syntax is invalid.
Action	Check the syntax.

90615: Stored procedure must be executed on CallableStatement.

Cause	A procedure cannot be executed in statements other than CallableStatements.
Action	Use a CallableStatement.

90616: Failed to read data from stream.

Cause	Failed to read data from server.
Action	Check the connection with server.

90617: OUT parameter was not found.

Cause	There is no OUT parameter.
Action	Verify that an OUT parameter exists.

90618: Invalid OUT parameter.

Cause	The OUT parameter is invalid.
Action	Verify that the OUT parameter was correctly bound.

90619: Bind data is NULL.

Cause	Data was not bound.
Action	Bind data.

90620: Operation is invalid for forward-only result set.

Cause	An attempt was made to execute an operation which is invalid for forward-only result sets.
Action	Change the type of the result set.

90621: Operation is invalid for read-only result set.

Cause	An attempt was made to execute an operation which is invalid for read-only result sets.
Action	Change the type of the result set.

90622: Operation is invalid for not-fetched result set.

Cause	An attempt was made to execute an operation that is invalid without fetching rows from server.
Action	Fetch rows first.

90623: SQL statement and result set types do not match.

Cause	The SQL statement and the result set type do not match.
Action	Check the type of the result set.

90624: Invalid cursor position.

Cause	Invalid cursor position.
Action	Check the cursor position.

90625: Result set type cannot be downgraded.

Cause	The type of the current result set is invalid for the query.
Action	Change the type of the result set.

90626: Failed to refetch records during cache refresh.

Cause	Failed to refresh records in the result set.
Action	Check the operation executed for the current result set.

90627: Not all parameters are bound.

Cause	Some specified parameters were not bound.
Action	Check non-bound parameters.

90628: Invalid string length: must be shorter than 4000 bytes.

Cause	Invalid length of string.
Action	The maximum string length is 4,000 bytes.

90629: Operation is invalid on an empty LOB.

Cause	Invalid empty LOB operation.
Action	Check the operation.

90630: Operation is invalid for batchupdate.

Cause	Invalid batchupdate operation.
Action	Batch statements do not include a SELECT statement.

90631: OUT parameters ARE invalid for batchupdate.

Cause	An OUT parameter cannot be used in batchupdate.
Action	Delete the OUT parameter or avoid using batchupdate.

90632: Escape syntax error.

Cause	Invalid escape syntax statement.

Action	Rewrite the statement with correct escape syntax.

90633: Savepoint name was not specified.

Cause	A savepoint name was not specified.
Action	Specify a savepoint name first.

90634: Savepoint identifier was not specified.

Cause	There is no identifier of the savepoint.
Action	If a savepoint name is specified, it is impossible to get an identifier.

90635: ResultSet.next() method was not invoked.

Cause	The NEXT method was not invoked in the result set.
Action	Invoke the NEXT method in the result set first.

90636: Bound data too large: must be less than 16K chars or 64K bytes.

Cause	Data larger than the specified size cannot be bound in batchupdate.
Action	Large data should be entered through exactly-once execution.

90637: No schema information found in Direct Path Load.

Cause	Information about schemas needed for DPL is not found.
Action	Specify schemas.

90638: No table information found in Direct Path Load.

Cause	Information about tables needed for DPL is not found.
Action	Specify tables.

90639: No column count information found in Direct Path Load.

Cause	Information about the number of columns needed for DPL is not found.
Action	Specify the number of columns first.

90640: No column name information found in Direct Path Load

Cause	Some information about column names needed for DPL is missing.
Action	Specify all column names.

90641: LOG-flag information does not exist in Direct Path Load

Cause	LOG-flag information needed for DPL is not found.
Action	Specify LOG-flag.

90642: Unable to convert a specified string to ROWID.

Cause	The string is not valid for ROWID .
Action	Use a valid string for ROWID.

90643: Connection is already closed.

Cause	Disconnected from the server.
Action	Reconnect to the server.

90644: Result set contains no metadata.

Cause	Metadata for the result set does not exist.
Action	Verify that the result set is valid.

90645: Auto Connection Recovery is already enabled.

Cause	The ACR function for the connection is already enabled.

Action	Check if there is a duplicate call.

90646: Result set is already closed.

Cause	Unable to access the result set any longer, as it is closed.
Action	Check if the statement is closed, before referring to the result set.

90647: Result set is closed or empty.

Cause	The result set is closed or contains no column data.
Action	Check if the result set is closed, or there is column data.

90648: Invalid array size for session attributes.

Cause	The array size for setting session attributes is invalid.
Action	Check the maximum value of the array size.

90649: Invalid name pattern.

Cause	The name pattern is invalid.
Action	Check if the string length is 0.

90650: Data is too large for buffer.

Cause	The data is larger than the buffer size.
Action	Increase the buffer size.

90651: Failed to convert a given data.

Cause	Failed to convert a given data.
Action	Check the error message.

90652: Not allowed to use long literal in batchupdate.

Cause	String of size greater than 64K bytes is not supported in batchupdate.
Action	Use bind variables in SQL statement.

90653: Overflow error.

Cause	Overflow error.
Action	Narrow the range of the value.

90654: Underflow error.

Cause	Underflow error.
Action	Widen the range of the value.

90655: Not allowed to bind ordinal parameter and named parameter simultaneously.

Cause	Not allowed to bind ordinal parameter and named parameter simultaneously.
Action	Use only one of two types of bind parameter.

90656: Exceeds the limitation of the maximum length.

Cause	The specified length exceeds the maximum value.
Action	Use a value smaller than 2,147,483,647.

90657: Cannot cast this instance to the specified class

Cause	Unable to cast to the specified class.
Action	Enter a valid class for the instance.

90658: The statement is already closed.

Cause	The statement is already closed.
Action	Create a new statement.

90659: Invalid operation: Closed Statement.

Cause	Unable to execute the operation due to the closed statement.
Action	Create a new statement.

90660: Unsupported result set holdability type.

Cause	This result set holdability type is not supported.
Action	Use another result set holdability type.

90820: Cannot create a SyncProvider instance.

Cause	Unable to create the SynProvider object.
Action	Check the error message.

90821: Cannot find the FROM clause to get the table name.

Cause	Unable to fine the FROM clause in the specified SQL statement.
Action	Use a statement containing the FROM clause.

90822: Current row is not inserting.

Cause	The current row is not under the INSERT operation.
Action	Start the INSERT operation before using it.

90823: Null ResultSet cannot populate.

Cause	Unable to create the RowSet with the Null result set.

Action	Use a value other than Null.

90824: Current row is not updating.

Cause	The current row is not under the UPDATE operation.
Action	Start the UPDATE operation before using it.

90825: The RowSet cannot write.

Cause	Unable to write data in the current RowSet.
Action	Change the RowSet state to the editable state.

90826: Command is null.

Cause	No command is saved in the RowSet.
Action	Set the command and execute it.

90827: Connection is not opened.

Cause	Not connected to the database.
Action	Connect to the database.

90828: Failed to connect through the DataSource.

Cause	Failed to connect with the user information.
Action	Check the error message.

90829: Failed to convert the data to the specified type.

Cause	Failed to convert the data to the specified type.
Action	Check the error message.

90830: Failed to create the object copy.

Cause	Failed to create the object copy.
Action	Check the error message.

90831: Failed to map to the collection object.

Cause	Failed to map to the collection object.
Action	Check the error message.

90832: Failed to set the column index.

Cause	Failed to set the column index.
Action	Check the error message.

90833: Failed to set the column name.

Cause	Failed to set the column name.
Action	Check the error message.

90834: Invalid column index.

Cause	Invalid column index.
Action	Check if the column index is smaller than 1 or larger than the actual number of columns.

90835: Invalid column name.

Cause	Invalid column name.
Action	Check the column name.

90836: Invalid column type.

Cause	Invalid column type.

Action	Check if the requested type and the actual column type are compatible.

90837: Invalid cursor position.

Cause	Invalid cursor position.
Action	Use next() or previous() beforehand.

90838: Invalid fetch direction.

Cause	Invalid fetch direction.
Action	Only FETCH_FORWARD, FETCH_REVERSE, and FETCH_UNKNOWN are available.

90839: Invalid number of key columns.

Cause	Invalid number of key columns.
Action	Use the value that is not Null and smaller than the actual number of columns.

90840: Invalid column index.

Cause	Invalid column index.
Action	Use a numeric value larger than 0.

90841: Invalid column name.

Cause	Invalid column name.
Action	Use a value that is neither Null nor empty character string.

90842: Invalid object class.

Cause	Invalid object class.
Action	Check the error message.

90843: Invalid page size.

Cause	Invalid page size.
Action	Use a value that is larger than 0 or smaller than the maximum number of rows.

90844: Invalid parameter index.

Cause	Invalid parameter index.
Action	A value smaller than 1 cannot be used.

90845: Invalid parameter name.

Cause	Invalid parameter name.
Action	Check if the parameter name exists.

90846: Invalid parameter type.

Cause	Invalid parameter type.
Action	Check the error message.

90847: Invalid row index.

Cause	Invalid row index.
Action	Use a value that is larger than 1 or smaller than the number of actual rows.

90848: Invalid number of rows.

Cause	Invalid number of rows.
Action	Use a value that is larger than 0 or larger than the fetchSize.

90849: Invalid RowSet.

Cause	Unable to execute the operation to the specified rowset.

Action	Use a rowset of other type.

90850: Invalid ResultSet.

Cause	Unable to execute the operation to the specified result set.
Action	Use other result set.

90851: The current row is inserting.

Cause	The current row is under the INSERT operation.
Action	Complete or cancel the INSERT operation.

90852: One of the DataSourceName or URL is missing.

Cause	Either DataSource name or URL is not specified.
Action	Check each information.

90853: Previous page operation is missing.

Cause	Previous paging operation does not exist.
Action	Execute the paging operation beforehand.

90854: One of the user name or password is missing.

Cause	Either user name or password is not specified.
Action	Check each information.

90855: Unable to update the current column.

Cause	Unable to update the current column.
Action	Update other column or cancel the current operation.

90856: Unable to display the deleted rows.

Cause	Unable to display the deleted rows.
Action	Use an other rowset or set the visibility to false.

90857: No row was changed.

Cause	No row was changed.
Action	Use when the row data is changed.

90858: The specified row has not been deleted.

Cause	The specified row has not been deleted.
Action	Use after deleting the row.

90859: The result set does not exist.

Cause	The result set does not exist.
Action	Check if the result set is created.

90860: No column index matches.

Cause	No column index matches.
Action	Match the column index.

90861: No column name matches.

Cause	No column name matches.
Action	Match the column name.

90862: The specified row has never been inserted.

Cause	The specified row has not been inserted.

Action	Insert the row.

90863: The specified row has never been updated.

Cause	The specified row has not been updated.
Action	Update the row.

90864: The filter conditions are not satisfied.

Cause	The filter conditions are not satisfied.
Action	Check if the data satisfies the filter conditions.

90865: All columns are not set.

Cause	All column data are not set.
Action	Check each column data if it is set.

90866: The column index has not been set.

Cause	The column index has not been set.
Action	Set the column index beforehand.

90867: The column name has not been set.

Cause	The column name has not been set.
Action	Set the column name.

90868: Too few rows to populate.

Cause	The number of rows are too small.
Action	Use a result set which has a bigger number of rows.

90900: LOB is already closed.

Cause	LOB data is already closed.
Action	Check whether or not an invalid operation was executed on the closed LOB data.

90901: Unable to read LOB data.

Cause	Failed to read LOB data.
Action	Check the LOB locator.

90920: XML object has already been freed.

Cause	XML object resource has already been freed.
Action	Check if the XML object resource is freed before execution.

90921: XML object can be used for writing data only.

Cause	An attempt was made to use a write-only XML object for another purpose.
Action	The XML object can be used only for writing data. Check that the XML object was created properly.

90922: XML data has already been read.

Cause	XML data has already been read by a user request.
Action	Check if all XML data is read before execution.

90923: XML object can be used for reading data only.

Cause	An attempt was made to use a read-only XML object for another purpose.
Action	The XML object can be used only for reading data. Check that the XML object was created properly.

90924: XML data has already been set.

Cause	XML data has already been set by a user request.
Action	Check if all XML data is set before execution.

90925: Failed to free XML object.

Cause	Failed to free the XML object resource.
Action	Check the error message.

90926: Failed to initialize XML object.

Cause	Failed to initialize the XML object.
Action	Check the error message.

90927: Failed to read XML data from stream.

Cause	Failed to read data from the stream.
Action	Check the error message.

90928: Unsupported class.

Cause	The class is not supported.
Action	Use the DOM/SAX/StAX/Stream classes only.

90929: XML object contains no data.

Cause	No data is stored in the XML object.
Action	Store data first.

90930: Unable to set a NULL value.

Cause	An attempt was made to use a NULL value.

| **Action** | Specify a non-NULL value. |

90100: Runtime error occurred.

Cause	A JVM runtime error occurred.
Action	Check where the error occurred.

90200: Failed to load resource(s).

Cause	Failed to load resources.
Action	Check the resources again.

90201: Unsupported operation.

Cause	The operation is not supported by JDBC driver.
Action	Check if the operation is supported by JDBC driver.

90202: Failed to read bind parameter(s).

Cause	Failed to read a bind parameter from server.
Action	Check the bind parameter of SQL statement.

90203: Unsupported server version.

Cause	An attempt was made to connect to an unsupported version of a server.
Action	Check that the driver version and server version are compatible.

90400: Communication error.

Cause	An error occurred during communication with the server.

Action	Verify that there is no problem communicating with the server.

90401: Connection refused by server.

Cause	Disconnected from the server.
Action	Try to reconnect to the server.

90402: Communication protocol error.

Cause	An error occurred relating to the communication protocol.
Action	Check the server connection.

90403: Server has ended the connection.

Cause	The connection was closed by the server.
Action	Check server connection, and try to reconnect.

90404: Internal protocol state error.

Cause	There was an error communicating with the server.
Action	Check server connection.

90405: I/O error while reading from server.

Cause	An I/O error occurred while reading data from the server.
Action	Check server connection.

90406: I/O error while writing to server.

Cause	An I/O error occurred while writing data to the server.
Action	Check server connection.

90407: I/O error while flushing data.

Cause	An I/O error occurred while writing data to the server.
Action	Check server connection.

90408: Unsupported I/O encoding method.

Cause	The I/O encoding method is not supported by the server.
Action	Check the encoding.

90409: I/O error while closing stream.

Cause	An I/O error occurred while closing a stream.
Action	Check server connection.

90410: I/O error caused by corrupted message header.

Cause	The header of the message from the server is not normal.
Action	Check the message.

90500: Server error.

Cause	The server is abnormal.
Action	Check the condition of the server.

90501: Server failed to boot up.

Cause	Failed to start up the server.
Action	Verify that the environment is adequate to start up the server.

90502: User authentication failed: invalid user ID or password.

Cause	User authentication failed.

Action	Verify that the user ID and password are correct.

90503: Failed to close session.

Cause	Failed to close a session.
Action	Check server connection.

90504: Failed to open session.

Cause	Failed to open a session.
Action	Check the server connection.

90505: Failed to close connection.

Cause	Failed to close a connection to the server..
Action	Check that the server connection is valid.

90506: Failed to create prepared statement.

Cause	Failed to create a prepared statement.
Action	Check the SQL statement.

90507: Failed to close cursor.

Cause	Cannot close the cursor of the server.
Action	Check the condition of the cursor.

90508: Failed to execute SQL statement.

Cause	Failed to execute the SQL statement.
Action	Check the SQL statement.

90509: Failed to fetch data from server.

Cause	Failed to fetch data from the server.
Action	Check the condition of the cursor.

90510: Failed to commit.

Cause	Failed to execute a commit command.
Action	Check the condition of the transaction.

90511: Failed to rollback.

Cause	Failed to execute a rollback command.
Action	Check the condition of the transaction.

90512: Failed to set autocommit.

Cause	Failed to execute an autocommit command.
Action	Check the condition of the transaction.

90513: Failed to set isolation level.

Cause	Failed to set the isolation level.
Action	Check an available isolation level.

90514: Failed to set savepoint.

Cause	Failed to set a savepoint.
Action	Check the condition of the transaction.

90515: Batch update failed.

Cause	Failed in batch update.

Action	Check the statement used in the batch update.

90516: Failed to read LOB.

Cause	Failed to read LOB data.
Action	Check the LOB locator.

90517: Failed to write LOB.

Cause	Failed to write LOB data.
Action	Check the LOB locator.

90518: Failed to search by INSTR.

Cause	Failed to find LOB data.
Action	Check the LOB locator.

90519: Failed to search by INLOB.

Cause	Failed to find LOB data.
Action	Check the LOB locator.

90520: Failed to truncate.

Cause	Failed to truncate LOB data.
Action	Check the LOB locator.

90521: Failed to open LOB.

Cause	Failed to open LOB data.
Action	Check the LOB locator.

90522: Failed to close LOB.

Cause	Failed to close LOB data.
Action	Check the LOB locator.

90523: Failed to get LOB length.

Cause	Failed to get the length of a LOB.
Action	Check the LOB locator.

90524: Failed to create temporary LOB.

Cause	Failed to create a temporary LOB.
Action	Check the LOB locator.

90525: Failed to delete temporary LOB.

Cause	Failed to delete a temporary LOB.
Action	Check the LOB locator.

90526: Failed to cancel transaction.

Cause	Failed to cancel a transaction.
Action	Check the condition of the transaction.

90527: Failed to start XA transaction.

Cause	Failed to start an XA transaction.
Action	Check the condition of the distributed transaction.

90528: Failed to end XA transaction.

Cause	Failed to end an XA transaction.

Action	Check the condition of the distributed transaction.

90529: Failed to prepare XA transaction.

Cause	Failed to prepare an XA transaction.
Action	Check the condition of the distributed transaction.

90530: Failed to commit XA transaction.

Cause	Failed to commit an XA transaction.
Action	Check the condition of the distributed transaction.

90531: Failed to rollback XA transaction.

Cause	Failed to roll back an XA transaction.
Action	Check the condition of the distributed transaction.

90532: Failed to recover XA transaction.

Cause	Failed to recover an XA transaction.
Action	Check the condition of the distributed transaction.

90533: Failed to transfer deferred data.

Cause	Failed in deferred transfer.
Action	Check if the data is valid.

90534: Failed to read LONG data.

Cause	Failed to read LONG data.
Action	Check if the LONG data is valid.

90535: Failed to get information about previously executed SQL statement.

Cause	Failed to get information about the last executed SQL statement.
Action	Verify that it is a valid SQL statement.

90536: Failed to prepare Direct Path Load.

Cause	Failed to prepare a Direct Path Load.
Action	Check the metadata of the table to be uploaded.

90537: Failed to upload stream in Direct Path Load.

Cause	Failed to upload the stream.
Action	Verify that the stream data is valid.

90538: DATASAVE failed in Direct Path Load.

Cause	Failed to perform DATASAVE for the stream.
Action	Verify that the action sequences for the stream are correct.

90539: FINISH failed in Direct Path Load.

Cause	Failed to execute FINISH for the stream.
Action	Verify that the action sequences for the stream are correct.

90540: FLUSH failed in Direct Path Load.

Cause	Failed to execute FLUSH for the stream.
Action	Verify that the action sequences for the stream are correct.

90541: ABORT failed in Direct Path Load.

Cause	Failed to execute ABORT for the stream.
Action	Verify that the action sequences for the stream are correct.

90542: FORGET failed in XA transaction.

Cause	Failed to execute FORGET for the autonomous transaction.
Action	Check the condition of the distributed transaction.

90543: Failed to reset the current session information.

Cause	Failed to initialize the current session information of the server.
Action	Check the error message.

90544: Column count mismatched in Direct Path Load.

Cause	Column count mismatched in Direct Path Load.
Action	Check the column count.

90545: Failed to set the client information.

Cause	Failed to set the client information in the server.
Action	Check the error message.

90546: Failed to get the column description.

Cause	Failed to get the column description from the server.
Action	Check the error message.

90600: Invalid use of JDBC API.

Cause	It does not meet the JDBC standard.

Action	Check the JDBC standard.

90601: Operation is invalid in autocommit mode.

Cause	The operation cannot be used in autocommit mode.
Action	Check the operation.

90602: Operation is invalid in XA transaction mode.

Cause	The operation cannot be executed in an XA mode.
Action	Check the operation.

90603: Invalid operation: disconnected from server.

Cause	The operation is invalid due to disconnection from the server.
Action	Reconnect to the server.

90604: Invalid syntax.

Cause	Invalid syntax.
Action	Check the syntax.

90605: Invalid URL.

Cause	The URL of the server is wrong.
Action	Check URL.

90606: Unable to execute batch statement.

Cause	Cannot execute the batch statement.
Action	Verify that it is a DDL statement.

90607: No result set was returned.

Cause	No result set was returned.
Action	Check the SQL statement.

90608: Invalid input parameter.

Cause	The input parameter is invalid.
Action	Check the parameter.

90609: Invalid column index.

Cause	The column index is invalid.
Action	Check the column index.

90610: Invalid data type.

Cause	The data type is unconvertible.
Action	Check the requested data type.

90611: Specified column name was not found.

Cause	The column is invalid.
Action	Check if the column exists.

90612: Conversion rule violation between DB type and JDBC type.

Cause	The data type cannot be converted to a JDBC type.
Action	Check the data type.

90613: Number of fetched rows exceeds the maximum.

Cause	The number of rows in the fetched result set exceeds the maximum.

Action	Check the number of rows to be fetched.

90614: Invalid SQL syntax.

Cause	SQL statement syntax is invalid.
Action	Check the syntax.

90615: Stored procedure must be executed on CallableStatement.

Cause	A procedure cannot be executed in statements other than CallableStatements.
Action	Use a CallableStatement.

90616: Failed to read data from stream.

Cause	Failed to read data from server.
Action	Check the connection with server.

90617: OUT parameter was not found.

Cause	There is no OUT parameter.
Action	Verify that an OUT parameter exists.

90618: Invalid OUT parameter.

Cause	The OUT parameter is invalid.
Action	Verify that the OUT parameter was correctly bound.

90619: Bind data is NULL.

Cause	Data was not bound.
Action	Bind data.

90620: Operation is invalid for forward-only result set.

Cause	An attempt was made to execute an operation which is invalid for forward-only result sets.
Action	Change the type of the result set.

90621: Operation is invalid for read-only result set.

Cause	An attempt was made to execute an operation which is invalid for read-only result sets.
Action	Change the type of the result set.

90622: Operation is invalid for not-fetched result set.

Cause	An attempt was made to execute an operation that is invalid without fetching rows from server.
Action	Fetch rows first.

90623: SQL statement and result set types do not match.

Cause	The SQL statement and the result set type do not match.
Action	Check the type of the result set.

90624: Invalid cursor position.

Cause	Invalid cursor position.
Action	Check the cursor position.

90625: Result set type cannot be downgraded.

Cause	The type of the current result set is invalid for the query.
Action	Change the type of the result set.

90626: Failed to refetch records during cache refresh.

Cause	Failed to refresh records in the result set.
Action	Check the operation executed for the current result set.

90627: Not all parameters are bound.

Cause	Some specified parameters were not bound.
Action	Check non-bound parameters.

90628: Invalid string length: must be shorter than 4000 bytes.

Cause	Invalid length of string.
Action	The maximum string length is 4,000 bytes.

90629: Operation is invalid on an empty LOB.

Cause	Invalid empty LOB operation.
Action	Check the operation.

90630: Operation is invalid for batchupdate.

Cause	Invalid batchupdate operation.
Action	Batch statements do not include a SELECT statement.

90631: OUT parameters ARE invalid for batchupdate.

Cause	An OUT parameter cannot be used in batchupdate.
Action	Delete the OUT parameter or avoid using batchupdate.

90632: Escape syntax error.

Cause	Invalid escape syntax statement.

Action	Rewrite the statement with correct escape syntax.

90633: Savepoint name was not specified.

Cause	A savepoint name was not specified.
Action	Specify a savepoint name first.

90634: Savepoint identifier was not specified.

Cause	There is no identifier of the savepoint.
Action	If a savepoint name is specified, it is impossible to get an identifier.

90635: ResultSet.next() method was not invoked.

Cause	The NEXT method was not invoked in the result set.
Action	Invoke the NEXT method in the result set first.

90636: Bound data too large: must be less than 16K chars or 64K bytes.

Cause	Data larger than the specified size cannot be bound in batchupdate.
Action	Large data should be entered through exactly-once execution.

90637: No schema information found in Direct Path Load.

Cause	Information about schemas needed for DPL is not found.
Action	Specify schemas.

90638: No table information found in Direct Path Load.

Cause	Information about tables needed for DPL is not found.
Action	Specify tables.

90639: No column count information found in Direct Path Load.

Cause	Information about the number of columns needed for DPL is not found.
Action	Specify the number of columns first.

90640: No column name information found in Direct Path Load

Cause	Some information about column names needed for DPL is missing.
Action	Specify all column names.

90641: LOG-flag information does not exist in Direct Path Load

Cause	LOG-flag information needed for DPL is not found.
Action	Specify LOG-flag.

90642: Unable to convert a specified string to ROWID.

Cause	The string is not valid for ROWID .
Action	Use a valid string for ROWID.

90643: Connection is already closed.

Cause	Disconnected from the server.
Action	Reconnect to the server.

90644: Result set contains no metadata.

Cause	Metadata for the result set does not exist.
Action	Verify that the result set is valid.

90645: Auto Connection Recovery is already enabled.

Cause	The ACR function for the connection is already enabled.

Action	Check if there is a duplicate call.

90646: Result set is already closed.

Cause	Unable to access the result set any longer, as it is closed.
Action	Check if the statement is closed, before referring to the result set.

90647: Result set is closed or empty.

Cause	The result set is closed or contains no column data.
Action	Check if the result set is closed, or there is column data.

90648: Invalid array size for session attributes.

Cause	The array size for setting session attributes is invalid.
Action	Check the maximum value of the array size.

90649: Invalid name pattern.

Cause	The name pattern is invalid.
Action	Check if the string length is 0.

90650: Data is too large for buffer.

Cause	The data is larger than the buffer size.
Action	Increase the buffer size.

90651: Failed to convert a given data.

Cause	Failed to convert a given data.
Action	Check the error message.

90652: Not allowed to use long literal in batchupdate.

Cause	String of size greater than 64K bytes is not supported in batchupdate.
Action	Use bind variables in SQL statement.

90653: Overflow error.

Cause	Overflow error.
Action	Narrow the range of the value.

90654: Underflow error.

Cause	Underflow error.
Action	Widen the range of the value.

90655: Not allowed to bind ordinal parameter and named parameter simultaneously.

Cause	Not allowed to bind ordinal parameter and named parameter simultaneously.
Action	Use only one of two types of bind parameter.

90656: Exceeds the limitation of the maximum length.

Cause	The specified length exceeds the maximum value.
Action	Use a value smaller than 2,147,483,647.

90657: Cannot cast this instance to the specified class

Cause	Unable to cast to the specified class.
Action	Enter a valid class for the instance.

90658: The statement is already closed.

Cause	The statement is already closed.
Action	Create a new statement.

90659: Invalid operation: Closed Statement.

Cause	Unable to execute the operation due to the closed statement.
Action	Create a new statement.

90660: Unsupported result set holdability type.

Cause	This result set holdability type is not supported.
Action	Use another result set holdability type.

90820: Cannot create a SyncProvider instance.

Cause	Unable to create the SynProvider object.
Action	Check the error message.

90821: Cannot find the FROM clause to get the table name.

Cause	Unable to fine the FROM clause in the specified SQL statement.
Action	Use a statement containing the FROM clause.

90822: Current row is not inserting.

Cause	The current row is not under the INSERT operation.
Action	Start the INSERT operation before using it.

90823: Null ResultSet cannot populate.

Cause	Unable to create the RowSet with the Null result set.

Action	Use a value other than Null.

90824: Current row is not updating.

Cause	The current row is not under the UPDATE operation.
Action	Start the UPDATE operation before using it.

90825: The RowSet cannot write.

Cause	Unable to write data in the current RowSet.
Action	Change the RowSet state to the editable state.

90826: Command is null.

Cause	No command is saved in the RowSet.
Action	Set the command and execute it.

90827: Connection is not opened.

Cause	Not connected to the database.
Action	Connect to the database.

90828: Failed to connect through the DataSource.

Cause	Failed to connect with the user information.
Action	Check the error message.

90829: Failed to convert the data to the specified type.

Cause	Failed to convert the data to the specified type.
Action	Check the error message.

90830: Failed to create the object copy.

Cause	Failed to create the object copy.
Action	Check the error message.

90831: Failed to map to the collection object.

Cause	Failed to map to the collection object.
Action	Check the error message.

90832: Failed to set the column index.

Cause	Failed to set the column index.
Action	Check the error message.

90833: Failed to set the column name.

Cause	Failed to set the column name.
Action	Check the error message.

90834: Invalid column index.

Cause	Invalid column index.
Action	Check if the column index is smaller than 1 or larger than the actual number of columns.

90835: Invalid column name.

Cause	Invalid column name.
Action	Check the column name.

90836: Invalid column type.

Cause	Invalid column type.

Action	Check if the requested type and the actual column type are compatible.

90837: Invalid cursor position.

Cause	Invalid cursor position.
Action	Use next() or previous() beforehand.

90838: Invalid fetch direction.

Cause	Invalid fetch direction.
Action	Only FETCH_FORWARD, FETCH_REVERSE, and FETCH_UNKNOWN are available.

90839: Invalid number of key columns.

Cause	Invalid number of key columns.
Action	Use the value that is not Null and smaller than the actual number of columns.

90840: Invalid column index.

Cause	Invalid column index.
Action	Use a numeric value larger than 0.

90841: Invalid column name.

Cause	Invalid column name.
Action	Use a value that is neither Null nor empty character string.

90842: Invalid object class.

Cause	Invalid object class.
Action	Check the error message.

90843: Invalid page size.

Cause	Invalid page size.
Action	Use a value that is larger than 0 or smaller than the maximum number of rows.

90844: Invalid parameter index.

Cause	Invalid parameter index.
Action	A value smaller than 1 cannot be used.

90845: Invalid parameter name.

Cause	Invalid parameter name.
Action	Check if the parameter name exists.

90846: Invalid parameter type.

Cause	Invalid parameter type.
Action	Check the error message.

90847: Invalid row index.

Cause	Invalid row index.
Action	Use a value that is larger than 1 or smaller than the number of actual rows.

90848: Invalid number of rows.

Cause	Invalid number of rows.
Action	Use a value that is larger than 0 or larger than the fetchSize.

90849: Invalid RowSet.

Cause	Unable to execute the operation to the specified rowset.

Action	Use a rowset of other type.

90850: Invalid ResultSet.

Cause	Unable to execute the operation to the specified result set.
Action	Use other result set.

90851: The current row is inserting.

Cause	The current row is under the INSERT operation.
Action	Complete or cancel the INSERT operation.

90852: One of the DataSourceName or URL is missing.

Cause	Either DataSource name or URL is not specified.
Action	Check each information.

90853: Previous page operation is missing.

Cause	Previous paging operation does not exist.
Action	Execute the paging operation beforehand.

90854: One of the user name or password is missing.

Cause	Either user name or password is not specified.
Action	Check each information.

90855: Unable to update the current column.

Cause	Unable to update the current column.
Action	Update other column or cancel the current operation.

90856: Unable to display the deleted rows.

Cause	Unable to display the deleted rows.
Action	Use an other rowset or set the visibility to false.

90857: No row was changed.

Cause	No row was changed.
Action	Use when the row data is changed.

90858: The specified row has not been deleted.

Cause	The specified row has not been deleted.
Action	Use after deleting the row.

90859: The result set does not exist.

Cause	The result set does not exist.
Action	Check if the result set is created.

90860: No column index matches.

Cause	No column index matches.
Action	Match the column index.

90861: No column name matches.

Cause	No column name matches.
Action	Match the column name.

90862: The specified row has never been inserted.

Cause	The specified row has not been inserted.

Action	Insert the row.

90863: The specified row has never been updated.

Cause	The specified row has not been updated.
Action	Update the row.

90864: The filter conditions are not satisfied.

Cause	The filter conditions are not satisfied.
Action	Check if the data satisfies the filter conditions.

90865: All columns are not set.

Cause	All column data are not set.
Action	Check each column data if it is set.

90866: The column index has not been set.

Cause	The column index has not been set.
Action	Set the column index beforehand.

90867: The column name has not been set.

Cause	The column name has not been set.
Action	Set the column name.

90868: Too few rows to populate.

Cause	The number of rows are too small.
Action	Use a result set which has a bigger number of rows.

90900: LOB is already closed.

Cause	LOB data is already closed.
Action	Check whether or not an invalid operation was executed on the closed LOB data.

90901: Unable to read LOB data.

Cause	Failed to read LOB data.
Action	Check the LOB locator.

90920: XML object has already been freed.

Cause	XML object resource has already been freed.
Action	Check if the XML object resource is freed before execution.

90921: XML object can be used for writing data only.

Cause	An attempt was made to use a write-only XML object for another purpose.
Action	The XML object can be used only for writing data. Check that the XML object was created properly.

90922: XML data has already been read.

Cause	XML data has already been read by a user request.
Action	Check if all XML data is read before execution.

90923: XML object can be used for reading data only.

Cause	An attempt was made to use a read-only XML object for another purpose.
Action	The XML object can be used only for reading data. Check that the XML object was created properly.

90924: XML data has already been set.

Cause	XML data has already been set by a user request.
Action	Check if all XML data is set before execution.

90925: Failed to free XML object.

Cause	Failed to free the XML object resource.
Action	Check the error message.

90926: Failed to initialize XML object.

Cause	Failed to initialize the XML object.
Action	Check the error message.

90927: Failed to read XML data from stream.

Cause	Failed to read data from the stream.
Action	Check the error message.

90928: Unsupported class.

Cause	The class is not supported.
Action	Use the DOM/SAX/StAX/Stream classes only.

90929: XML object contains no data.

Cause	No data is stored in the XML object.
Action	Store data first.

90930: Unable to set a NULL value.

Cause	An attempt was made to use a NULL value.

| **Action** | Specify a non-NULL value. |

110001: Invalid license.

Cause	The license is invalid.
Action	Invalid license. If using a demo version, check the license expiration date.

110002: Requested feature is not provided by current license.

Cause	The function is not provided under the current license.
Action	Check the edition and contact the technical support team to upgrade the license.

130001: Invalid protocol.

Cause	Invalid protocol.
Action	Verify that the protocol is valid and that the message transmission sequence is correct.

130002: Login failed: invalid user ID or password.

Cause	Failed to login.
Action	Verify that the user ID and password are correct.

130003: ExecuteDirect call failed.

Cause	Failed to execute the SQL statement.
Action	Check that the statement is correct.

130005: Authentication failed.

Cause	Failed to login.
Action	Check to see if there are any errors in the authentication gateway.

130006: Failed to open cursor.

Cause	Failed to open the cursor in the gateway.
Action	Contact the technical support team.

130007: Invalid cursor.

Cause	Invalid cursor.

Action	Contact the technical support team.

130008: Fetch failed.

Cause	Fetch failed.
Action	Contact the technical support team.

130009: Remote DBMS system(target DB) connected to DBMS server returned this message: %1$s.

Cause	The message was received from a database system connected to the gateway.
Action	Check the message received from the target database system.

130010: Successful completion message received from DB system %1$s.

Cause	The target database system connected to the gateway has successfully completed the function.
Action	Check the message received from the target database system.

130011: Warning message received from DB system %1$s.

Cause	The target database system connected to the gateway completed the function with a warning message.
Action	Check the message received from the target database system.

130012: Cursor operation conflict in DB system %1$s.

Cause	Cursor operation conflict occurred within the target database system connected to the gateway.
Action	Check the message received from the target database system.

130013: Disconnect error received from DB system %1$s.

Cause	Failed to disconnect from the target database system which is connected to the gateway.
Action	Check the message received from the target database system.

130014: NULL values eliminated in set function in DB system %1$s.

Cause	NULL values have been eliminated from a set function in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130015: String data was right truncated in DB system %1$s.

Cause	String data right truncation occurred in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130016: Insufficient item descriptor areas in DB system %1$s.

Cause	There are too few item descriptor areas for the result set or gateway.
Action	Check the message received from the target database system.

130017: Privilege not revoked in DB system %1$s.

Cause	Failed to revoke the privilege in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130018: Privilege not granted in DB system %1$s.

Cause	Failed to grant the privilege in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130019: Implicit zero-bit padding in DB system %1$s.

Cause	Implicit zero bit padding in the target DB system connected to the gateway.
Action	Check the message received from the target database system.

130020: Search condition for information schema is too long in DB system %1$s.

Cause	The search condition for schema information is too long in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130021: Query expression for information schema is too long in DB system %1$s.

Cause	The query expression for schema information is too long in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130022: No matching data found in DB system %1$s.

Cause	There is no data satisfying the condition in target database system connected to the gateway.
Action	Check the message received from the target database system.

130023: Dynamic SQL error in DB system %1$s.

Cause	Failed to execute the dynamic SQL statement in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130024: Dynamic SQL error in DB system - USING clause does not match parameter specs %1$s.

Cause	The dynamic SQL statement to be executed in the target parameter specification.
Action	Check the message received from the target database system.

130025: Dynamic SQL error in DB system - cursor specification cannot be executed %1$s.

Cause	The cursor specification cannot be executed in the dynamic gateway.
Action	Check the message received from the target database system.

130026: Dynamic SQL error in DB system - USING clause required for dynamic parameters %1$s.

Cause	A USING clause is required for a dynamic SQL statement in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130027: Dynamic SQL error in DB system - prepared statement not a cursor specification %1$s.

Cause	A prepared statement which does not have a cursor database system connected to the gateway.
Action	Check the message received from the target database system.

130028: Dynamic SQL error in DB system - restricted data type attribute violation %1$s.

Cause	Data type error has occurred in a dynamic SQL statement of the target database system connected to the gateway.
Action	Check the message received from the target database system.

130029: Dynamic SQL error in DB system - USING clause required for result fields %1$s.

Cause	A USING clause must be used to receive result data from a gateway.
Action	Check the message received from the target database system.

130030: Dynamic SQL error in DB system - invalid descriptor count %1$s.

Cause	The number of descriptors shown in the dynamic SQL statement invalid.
Action	Check the message received from the target database system.

130031: Dynamic SQL error in DB system - invalid descriptor index %1$s.

Cause	Invalid descriptor index in the dynamic SQL statement of the target database system connected to the gateway.
Action	Check the message received from the target database system.

130032: Connection exception in DB system %1$s.

Cause	An exception has occurred in a connection with the target database system.
Action	Check the message received from the target database system.

130033: SQL client could not establish SQL connection with DB system %1$s.

Cause	Failed to connect to the target database system.
Action	Check the message received from the target database system.

130034: Connection name already in use on target DB system %1$s.

Cause	The name of the connection with the target database system is already in use.
Action	Check the message received from the target database system.

130035: Connection to target DB system does not exist %1$s.

Cause	A connection to the target database system does not exist.
Action	Check the message received from the target database system.

130036: DB server rejected SQL connection %1$s.

Cause	Connection to the target database system has been rejected.
Action	Check the message received from the target database system.

130037: Connection failure error received from target DB system %1$s.

Cause	Failed to connect with the target database system.
Action	Check the message received from the target database system.

130038: Transaction resolution unknown in DB system %1$s.

Cause	Unknown transaction of the target database system.
Action	Check the message received from the target database system.

130039: Feature not supported in DB system %1$s.

Cause	It is not provided by the target database system connected to the gateway.
Action	Check the message received from the target database system.

130041: Cardinality violation in DB system %1$s.

Cause	In the target database system connected to the gateway, the sub query contains more than two records.
Action	Check the message received from the target database system.

130042: Data exception in DB system %1$s.

Cause	A data error occurred in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130043: Data exception in DB system: string data - right truncation %1$s.

Cause	String data right truncation occurred in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130044: Data exception in DB system: null value - no indicator parameter %1$s.

Cause	There is no parameter indicator in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130045: Data exception in DB system: numeric value out of range %1$s.

Cause	Some numeric data is out of range to be expressed in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130046: Data exception in DB system: error in assignment %1$s.

Cause	The data was not assigned from the target database system connected to the gateway.
Action	Check the message received from the target database system.

130047: Data exception in DB system: invalid date-time format %1$s.

Cause	Invalid date or time format in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130048: Data exception in DB system: date-time field overflow %1$s.

Cause	A date or time data overflow problem occurred in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130049: Data exception in DB system: invalid time zone displacement value %1$s.

Cause	Invalid time zone setting in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130050: Data exception in DB system: substring error %1$s.

Cause	An error occurred while extracting a substring in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130051: Data exception in DB system: division by zero %1$s.

Cause	An attempt was made to divide by zero in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130052: Data exception in DB system: INTERVAL field overflow %1$s.

Cause	An INTERVAL data overflow problem occurred in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130053: Data exception in DB system: invalid character value for cast %1$s.

Cause	In the target database system connected to the gateway, an type.
Action	Check the message received from the target database system.

130054: Data exception in DB system: invalid escape character %1$s.

Cause	An invalid escape character was used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130055: Data exception in DB system: character not in repertoire %1$s.

Cause	Invalid character data was used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130056: Data exception in DB system: indicator overflow %1$s.

Cause	An indicator overflow problem occurred in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130057: Data exception in DB system: invalid parameter value %1$s.

Cause	An invalid parameter value was used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130058: Data exception in DB system: unterminated C string %1$s.

Cause	A unterminated C string was used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130059: Data exception in DB system: invalid escape sequence %1$s.

Cause	An invalid escape sequence was used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130060: Data exception in DB system: string data length mismatch %1$s.

Cause	Mismatched string data length in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130061: Data exception in DB system: trim error %1$s.

Cause	Failed to trim the character string in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130062: Integrity constraint violation in DB system %1$s.

Cause	Some data in the target database connected to the gateway violates integrity constraints.
Action	Check the message received from the target database system.

130063: Invalid cursor state in DB system %1$s.

Cause	An invalid cursor state exists in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130064: Invalid transaction state in DB system %1$s.

Cause	An invalid transaction state exists in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130065: Invalid SQL statement name in DB system %1$s.

Cause	An invalid statement name exists in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130066: Triggered data change violation in DB system %1$s.

Cause	Invalid use of trigger in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130067: Invalid authorization specification in DB system %1$s.

Cause	An invalid authorization specification exists in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130069: Dependent privilege descriptors still exist in DB system %1$s.

Cause	Dependent privilege descriptors still exist in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130070: Invalid character set name in DB system %1$s.

Cause	The specified character set is not supported in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130071: Invalid transaction termination in DB system %1$s.

Cause	An invalid transaction termination exists in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130072: Invalid connection name in DB system %1$s.

Cause	An invalid connection name has been used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130073: Invalid SQL descriptor name in DB system %1$s.

Cause	An invalid SQL descriptor has been used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130074: Invalid cursor name in DB system %1$s.

Cause	An invalid cursor name has been used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130075: Invalid condition number DB system %1$s.

Cause	An invalid condition number has been used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130077: Ambiguous cursor name in DB system %1$s.

Cause	An ambiguous cursor name has been used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130078: Invalid catalog name in DB system %1$s.

Cause	An invalid catalog name has been used in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130079: Invalid schema name in DB system %1$s.

Cause	An invalid schema name has been used in the target database system connected to the gateway.

Action	Check the message received from the target database system.

130080: Transaction rollback error in DB system %1$s.

Cause	A transaction rollback error has occurred in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130081: Transaction rollback error in DB system: serialization failure %1$s.

Cause	A serialization failure between transactions has occurred in the target database system connected to the gateway.
Action	Check the message received from the target database system.

130082: Transaction rollback error in DB system: integrity con straint violation %1$s.

Cause	A transaction of the target database system connected to the gateway violated integrity constraints.
Action	Check the message received from the target database system.

130083: Transaction rollback error in DB system: statement com pletion is unknown %1$s.

Cause	The termination of a transaction in the target database system connected to the gateway has not yet been confirmed.
Action	Check the message received from the target database system.

130084: Syntax error or access rule violation in DB system %1$s.

Cause	In the target database system connected to the gateway, bad syntax was used, or an invalid object was accessed.

Action	Check the message received from the target database system.

130085: WITH CHECK option violation in DB system %1$s.

Cause	An invalid use of WITH CHECK option occurred in a view of the target database system connected to the gateway.
Action	Check the message received from the target database system.

130086: Oracle system error %1$s.

Cause	An Oracle system error has occurred.
Action	Check the message received from the target database system.

130087: Oracle resource error %1$s.

Cause	An error occurred in Oracle resources connected to the gateway.
Action	Check the message received from the target database system.

130088: Oracle multi-threaded server or detached process error %1$s.

Cause	An error has occurred in Oracle server or process connected to the gateway.
Action	Check the message received from the target database system.

130089: Oracle*XA protocol or two-task interface error %1$s.

Cause	An error has occurred in Oracle XA protocol or the two-task interface connected to the gateway.
Action	Check the message received from the target database system.

130090: Oracle control file, database file, redo file, archival recovery, or media recovery error %1$s.

Cause	An error has occurred in Oracle control file, database file, occurred during archive or media recovery.
Action	Check the message received from the target database system.

130091: Oracle PL/SQL error %1$s.

Cause	An error has occurred while executing Oracle PL/SQL connected to the gateway.
Action	Check the message received from the target database system.

130092: Oracle SQL*Net driver error %1$s.

Cause	An error has occurred in the Oracle SQL*Net driver connected to the gateway.
Action	Check the message received from the target database system.

130093: Oracle licensing error %1$s.

Cause	A problem occurred in the license of Oracle database connected to the gateway.
Action	Check the message received from the target database system.

130094: Oracle SQL*Connect error %1$s.

Cause	An error occurred in Oracle SQL*Connect.
Action	Check the message received from the target database system.

130095: SQL phase execution error %1$s.

Cause	An error has occurred while executing an SQL statement in Oracle database connected to the gateway.
Action	Check the message received from the target database system.

130096: Unsupported datatype in table.

Cause	Invalid data type in the target database table.
Action	Check to see if LONG, CLOB or BLOB types exist in the table.

130097: Explicit prepare failed.

Cause	Failed to execute 'prepare' for the target database.
Action	Check if there is any SQL syntax error.

130098: Global transaction cannot be started.

Cause	Failed to start a global transaction for the target database.
Action	Check the error message from the target database system.

130099: Global transaction cannot be prepared

Cause	Target database system has failed to prepare a global transaction.
Action	Check the error message from the target database system.

130100: Global transaction cannot be committed

Cause	Target database system has failed to commit a global transaction.
Action	Check the error message from the target database system.

130101: Global transaction cannot be rollbacked

Cause	Target database system has failed to rollback a global transaction.
Action	Check the error message from the target database system.

130102: Execute call failed.

Cause	Failed to execute the SQL statement.

Action	Check if the SQL statement is correct.

130103: BindParam call failed.

Cause	Failed to execute the statement.
Action	Check if the statement is correct.

130104: New connection has been requested, even though connection is already established.

Cause	Another connection was requested while connecting with server.
Action	Check the connection with the gateway.

130105: Unable to start gateway process.

Cause	Failed to start a gateway process.
Action	Check to see if anything is preventing execution (e.g. permissions).

140002: Invalid protocol.

Cause	An invalid protocol was used.
Action	Make sure the protocol exists and that message transmission sequence is correct.

140003: Successful completion message.

Cause	The procedure was invoked successfully.
Action	Check the result.

140004: Failed to open library (\'%1$s\') - %2$s.

Cause	Failed to open the library.
Action	Check the error message.

140006: External procedure failed unexpectedly.

Cause	Failed to execute an external function.
Action	Check the cause of the failure and try again.

140008: Invalid class name (\'%1$s\').

Cause	The specified class was not found at the class path.
Action	Verify that the class name and path are correct.

140009: Function (\'%1$s\') call failed - %2$s.

Cause	Failed to call the function.

| **Action** | Check the error message. |

140010: Invalid error code - %1$u.

| **Cause** | The specified error code was not found. |
| **Action** | Check the error code. |

140011: Invalid error code - %1$u.

| **Cause** | The specified error code was not found. |
| **Action** | Check the error code. |

140012: External procedure execution failure caused by user - %1$s.

| **Cause** | Failed to execute the external procedure. |
| **Action** | The error was caused by the user during the execution of the external procedure. |

140013: OUT parameter length overflow.

| **Cause** | The OUT parameter length exceeds the maximum allowed. |
| **Action** | Check the error message. |

140014: Not supported sql type in external procedure

| **Cause** | External Procedure does not support the sql type. |
| **Action** | Check the sql types supported by External Procedure. |

140015: The length of the user library path is too long.

| **Cause** | The length of the user library path is too long. |
| **Action** | Check the library path. |

140016: The length of the user function name is too long.

Cause	The length of the user function name is too long.
Action	Check the function name.

150002: Invalid protocol.

Cause	An invalid protocol was used.
Action	Make sure that the protocol exists and the message transmission sequence is correct.

150003: Successful completion message.

Cause	The procedure was successfully invoked.
Action	Check the result.

150004: Invalid library path.

Cause	The library path is invalid.
Action	Check the library path.

150005: Invalid function name.

Cause	The specified function was not found in the library.
Action	Check the function name.

150006: External procedure failed unexpectedly.

Cause	Failed to execute an external function.
Action	Check the cause of the failure and try again.

150008: Invalid class name.

Cause	The specified class was not found at the specified class path.

Action	Check the class name and path.