Pre-defined Exceptions

PL/SQL provides many pre-defined exceptions, which are executed when any database rule is violated by a program. For example, the predefined exception NO\_DATA\_FOUND is raised when a SELECT INTO statement returns no rows. The following table lists few of the important pre-defined exceptions −

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| **Exception** | **Oracle Error** | **SQLCODE** | **Description** |
| ACCESS\_INTO\_NULL | 06530 | -6530 | It is raised when a null object is automatically assigned a value. |
| CASE\_NOT\_FOUND | 06592 | -6592 | It is raised when none of the choices in the WHEN clause of a CASE statement is selected, and there is no ELSE clause. |
| COLLECTION\_IS\_NULL | 06531 | -6531 | It is raised when a program attempts to apply collection methods other than EXISTS to an uninitialized nested table or varray, or the program attempts to assign values to the elements of an uninitialized nested table or varray. |
| DUP\_VAL\_ON\_INDEX | 00001 | -1 | It is raised when duplicate values are attempted to be stored in a column with unique index. |
| INVALID\_CURSOR | 01001 | -1001 | It is raised when attempts are made to make a cursor operation that is not allowed, such as closing an unopened cursor. |
| INVALID\_NUMBER | 01722 | -1722 | It is raised when the conversion of a character string into a number fails because the string does not represent a valid number. |
| LOGIN\_DENIED | 01017 | -1017 | It is raised when a program attempts to log on to the database with an invalid username or password. |
| NO\_DATA\_FOUND | 01403 | +100 | It is raised when a SELECT INTO statement returns no rows. |
| NOT\_LOGGED\_ON | 01012 | -1012 | It is raised when a database call is issued without being connected to the database. |
| PROGRAM\_ERROR | 06501 | -6501 | It is raised when PL/SQL has an internal problem. |
| ROWTYPE\_MISMATCH | 06504 | -6504 | It is raised when a cursor fetches value in a variable having incompatible data type. |
| SELF\_IS\_NULL | 30625 | -30625 | It is raised when a member method is invoked, but the instance of the object type was not initialized. |
| STORAGE\_ERROR | 06500 | -6500 | It is raised when PL/SQL ran out of memory or memory was corrupted. |
| TOO\_MANY\_ROWS | 01422 | -1422 | It is raised when a SELECT INTO statement returns more than one row. |
| VALUE\_ERROR | 06502 | -6502 | It is raised when an arithmetic, conversion, truncation, or sizeconstraint error occurs. |
| ZERO\_DIVIDE | 01476 | 1476 | It is raised when an attempt is made to divide a number by zero. |