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| **Code** | **Msg[taken from array, by Error Code]** | **Pos** | **Repair Suggestion** |
| 1 | SQL query is empty, nothing to process. | G | Insert valid SQL query and try again. |
| 2 | SQL Query is missing ';'. | G | Each SQL query must end with semicolon,  Insert semicolon and try again. |
| 28 | SQL query missing main keywords: SELECT, FROM, WHERE. | G | In case of non-empty 'SELECT', Valid SQL query must contain at least 'SELECT' and 'FROM' keywords, together with list of tables and attributes, complete missing parts and try again. |
| 8 | SQL query missing 'FROM' keyword. Can't locate the source of requested data. | G | In case of non-empty 'SELECT', Valid SQL query should contain 'FROM' keyword, together with list of tables which comes after 'FROM',  complete missing parts and try again. |
| 4 | SQL query missing 'SELECT' keyword. Nothing to process. | G | Each SQL query must contain at least 'SELECT' keyword,  Insert valid SQL query and try again. |
| 12 | SQL query missing main keywords: SELECT, FROM. | G | In case of non-empty 'SELECT', Valid SQL query must contain at least 'SELECT' and 'FROM' keywords, together with list of tables and attributes, complete missing parts and try again. |
| 96 | SQL query main keywords SELECT and FROM are misplaced. | G | SQL syntax order: SELECT <attributes\_list> FROM <table\_list>  {WHERE <conditions\_list>}.  Rearrange order of elements inside query and try again. |
| 160 | SQL query main keywords SELECT and WHERE are misplaced. | G | SQL syntax order: SELECT <attributes\_list> FROM <table\_list>  {WHERE <conditions\_list>}.  Rearrange order of elements inside query and try again. |
| 168 | SQL query main keywords SELECT and WHERE are misplaced, FROM keyword missing. | G | SQL syntax order: SELECT <attributes\_list> FROM <table\_list>  {WHERE <conditions\_list>}.  Rearrange order of elements inside query, add missing FROM part,  together with list of tables and try again. |
| 192 | SQL query main keywords FROM and WHERE are misplaced. | G | SQL syntax order: SELECT <attributes\_list> FROM <table\_list>  {WHERE <conditions\_list>}.  Rearrange order of elements inside query and try again. |
| 196 | SQL query main keywords FROM and WHERE are misplaced, SELECT keyword missing. | G | SQL syntax order: SELECT <attributes\_list> FROM <table\_list>  {WHERE <conditions\_list>}.  Rearrange order of elements inside query, add missing SELECT part,  together with list of attributes and try again. |
| 224 | SQL query main keywords SELECT, FROM and WHERE are misplaced. | G | SQL syntax order: SELECT <attributes\_list> FROM <table\_list>  {WHERE <conditions\_list>}.  Rearrange order of elements inside query and try again. |

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| **Code** | **Msg[taken from array, by Error Code]** | **Pos** | **Repair Suggestion** |
| 256 | Query's 'FROM' part is empty. | **F**ROM | Insert all required tables after 'FROM', separated by comma and try again. |
| 524288 | Query's 'SELECT' part is empty | **S**elect | Insert all required attributes after 'SELECT' separated by comma,  You can select all attributes, by writing '\*' instead. and try again. |
| 512 | Table: [<tbl\_name>] Wasn't found on current Schema. | <**t**bl\_name> | Verify table name and spelling and try again. |
| 1024 | Attribute: [<atr\_name>] Wasn't found in table: [<tbl\_name>]. | <**t**bl\_name>:  <atr\_name> | Verify table: [<tbl\_name>] contains the attribute, make sure that  Attribute's name: [<atr\_name>] is written correctly and try again. |
| 2048 | Unrecognized Token. | <**t**bl\_name>:  <atr\_name> | Verify that: [<tbl\_name> : <atr\_name>] represents existing table and attribute names and try again. |
| 4096 | No operator in condition:  [<cond>] (1). | [<**c**ond>] | Condition syntax is: <Constant> <Single Operator> <Constant>.  Operator is: '=' or '<>' or '>' or '>=' or '<' or '<='  Insert appropriate operator and try again. |
| 8192 | Too Many operators in condition: [<cond>](1). | [<**c**ond>] | Condition syntax is: <Constant> < Single Operator> <Constant>.  Operator is: '=' or '<>' or '>' or '>=' or '<' or '<='  Insert appropriate operator and try again. |
| 16384 | Both sides of operator: [<op\_type>](2) in condition: [<cond>](1) aren't constants. | **Type?**  [<**c**ond>] | Condition syntax is: <Constant> < Single Operator> <Constant>.  Constant is a string, integer or attribute.  Insert appropriate constants and try again. |
| 32768 | Right side of operator: [<op\_type>](2) in condition: [<cond>](1) isn't constant. | **Type?**  [<**c**ond>] | Condition syntax is: <Constant> < Single Operator> <Constant>.  Constant is a string, integer or attribute.  Insert appropriate RHS constant and try again. |
| 65536 | left side of operator: [<op\_type>](2) in condition: [<cond>](1) isn't constant. | **Type?**  [<**c**ond>] | Condition syntax is: <Constant> < Single Operator> <Constant>.  Constant is a string, integer or attribute.  Insert appropriate LHS constant and try again. |
| 131072 | Operand types are Incompatible: ([<op\_t1>] and [<op\_t2>]) in condition: [<cond>]. | **Type1, Type2?**  [<**c**ond>] | No conversion from [<op\_t1>] to [<op\_t2>].  Verify the logical operation and match the types. |
| 262144 | Query's 'WHERE' part is empty. | **W**HERE | Insert all required conditions after 'WHERE',  Separated and organized with the use of 'AND' & 'OR' keywords and Parenthesis and try again. |

1. Parsing <o\_d> failed

2. Parsing <attribute\_list> failed

3. Parsing <table\_list> failed

4. Parsing <condition> failed