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| **Exp. No** | **Conducted on** | **Submitted On** | **Date of Late Submission**  **(if Any)** | **Max Marks Allotted** | **Marks Obtained** | **Faculty Signature** |
| 1 | 02/02/2022 | 09/02/2022 |  | 10 |  |  |
| **Exp Title** | SQL Data Manipulation Language (DML) Commands  Saket Kumar Baranwal RA1911003010414 | | | | | |

**Aim :- To write SQL Data Manipulation Language (DML) Commands.**

**Syntax (for all DML Commands)**

**SELECT -** Used to query or fetch selected fields or columns from a database

Syntax,

SELECT column\_name1, column\_name2, …

FROM table\_name

WHERE condition\_ expression;

Example:

Select customer\_id, sale\_date, order\_id, store\_state from customers;

Select \* from customers;

**● INSERT -** Used to insert new data records or rows in the database table

Syntax,

INSERT INTO table\_name (column\_name\_1, column\_name\_2, column\_name\_3, ...)

VALUES (value1, value2, value3, ...)

Example:

INSERT INTO sales(

customer\_id, sale\_date, sale\_amount, salesperson, store\_state, order\_id)

VALUES (1005,TO\_DATE('2019-12-12','YYYY-MM-DD),4200,'R K

Rakesh','MH','1007');

(or)

INSERT INTO customers

VALUES ('1006','2020-03-04',3200,'DL', '1008');

**● UPDATE -** Used to set the value of a field or column for a particular record to a

new value

Syntax,

UPDATE table\_name

SET column\_name\_1 = value1, column\_name\_2 = value2, ...

WHERE condition;

Example,

UPDATE customers

SET store\_state = 'DL'

WHERE store\_state = 'NY';

**● DELETE -** Used to remove one or more rows from the database table

Syntax,

DELETE FROM table\_name WHERE condition;

Example,

DELETE FROM customers

WHERE store\_state = 'MH'

AND customer\_id = '1001';

**Queries (for all DDL Commands)**

**1-Select**

**2- Insert**

**3- Update**

**4-Delete**

**Result**

**SQL> create table students(st\_id int,st\_name varchar(10),st\_ph\_no varchar(10));**

**Table created.**

**SQL> desc students;**

**Name Null? Type**

**----------------------------------------- -------- ----------------------------**

**ST\_ID NUMBER(38)**

**ST\_NAME VARCHAR2(10)**

**ST\_PH\_NO VARCHAR2(10)**

**SQL> insert into students values(101,'Saket','8340463394');**

**1 row created.**

**SQL> insert into students values(102,'Tanmay','746463394');**

**1 row created.**

**SQL> insert into students values(103,'Alinjar','98463394');**

**1 row created.**

**SQL> insert into students values(104,'Rucha','8974685210');**

**1 row created.**

**SQL> select\*from students;**

**ST\_ID ST\_NAME ST\_PH\_NO**

**---------- ---------- ----------**

**101 Saket 8340463394**

**102 Tanmay 746463394**

**103 Alinjar 98463394**

**104 Rucha 8974685210**

**SQL> select st\_name from students;**

**ST\_NAME**

**----------**

**Saket**

**Tanmay**

**Alinjar**

**Rucha**

**SQL> update students set st\_name='Sidharth'w where st\_id=102;**

**update students set st\_name='Sidharth'w where st\_id=102**

**\***

**ERROR at line 1:**

**ORA-00933: SQL command not properly ended**

**SQL> update students set st\_name='Sidharth' where st\_id=102;**

**1 row updated.**

**SQL> select \* from students**

**2**

**SQL> select\*from students;**

**ST\_ID ST\_NAME ST\_PH\_NO**

**---------- ---------- ----------**

**101 Saket 8340463394**

**102 Sidharth 746463394**

**103 Alinjar 98463394**

**104 Rucha 8974685210**

**SQL> delete from students where st\_id=102;**

**1 row deleted.**

**SQL> select\*from students;**

**ST\_ID ST\_NAME ST\_PH\_NO**

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**101 Saket 8340463394**

**103 Alinjar 98463394**

**104 Rucha 8974685210**