DBA LAB ASSIGNMENT 1

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1.Write briefly about oracle data base installation

Steps –

a) Open the ORACLE SQL DEVELOPER page and navigate to downloads .
b) Click on download for Windows 64 .
c) Login in Oracle account or create a new account.
d) Extract the downloaded zip file named as sqldeveloper .
e) After extraction copy it to the drive where you wish to keep it
f) Start the installation by executing the exe file .
g) Create a shortcut on the desktop .
h) You can the execute the commands in run SQL command line .

2. Write a query to create a student, faculty with 5 attributes each? Insert values in those tables

```
SQL> CREATE TABLE STUDENT6 ( id int , Name varchar(20) ,Age int , Address varchar(25) , coursename varchar(50));

Table created.

SQL>  CREATE TABLE FACULTY2 ( id int , Name varchar(20) ,Age int , facultytype varchar(25) , coursename varchar(50));

Table created.
```

```
SQL>  INSERT INTO FACULTY2 VALUES (1 ,' Kumar' , 28 ,' AsstProfessor' ,' dba');

1 row created.

SQL> INSERT INTO  STUDENT6 VALUES (1,' Sudha' , 15 ,' Bengaluru' ,' dba');

1 row created.

SQL>
```

3. Use primary key, foreign key to the above two tables?

```
SQL>  ALTER TABLE FACULTY2 ADD PRIMARY KEY (coursename);

Table altered.

SQL>   ALTER TABLE STUDENT6 ADD FOREIGN KEY (coursename) REFERENCES FACULTY2(coursename);

Table altered.

SQL>
```

4. Write a DBMS query by using delete, drop, select commands?

```
SQL> INSERT INTO  STUDENT6 VALUES (1,' Sudha' , 15 ,' Bengaluru' ,' dba');

1 row created.

SQL> DELETE FROM STUDENT6 WHERE id=1;

1 row deleted.
```

```
SQL> DROP TABLE STUDENT6;

Table dropped.
```

5. Write a DBMS query by using alter ,truncate, update?

```
SQL>  ALTER TABLE FACULTY2 ADD PRIMARY KEY (coursename);

Table altered.

SQL>   ALTER TABLE STUDENT6 ADD FOREIGN KEY (coursename) REFERENCES FACULTY2(coursename);

Table altered.

SQL>
```

```
SQL>  UPDATE FACULTY2 SET name= 'Simran' WHERE id=1 ;

1 row updated.

SQL>
```

```
SQL> TRUNCATE TABLE FACULTY2;

Table truncated.

SQL> DESC FACULTY2;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ID                                                 NUMBER(38)
 NAME                                               VARCHAR2(20)
 AGE                                                NUMBER(38)
 FACULTYTYPE                                        VARCHAR2(25)
 COURSENAME                                NOT NULL VARCHAR2(50)

SQL>
```