**Query No. :**

**Aim : 1) Create a trigger on a table.**

**2) Use different types of triggers on the tables.**

SQL\*Plus: Release 10.2.0.3.0 - Production on Sun Apr 26 12:32:45 2009

Copyright (c) 1982, 2006, Oracle. All Rights Reserved.

Connected to:

Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production

With the Partitioning, OLAP and Data Mining options

SQL> create trigger Weekend\_emp

2 before insert

3 on Emp

4 declare

5 Week\_end exception;

6 begin

7 if to\_char(sysdate,'dy')='sat' or to\_char(sysdate,'dy')='sun'

8 then

9 raise Week\_end;

10 end if;

11 exception

12 if Week\_end then

13 raise\_application\_error(-20003,'No update is allowed on Saturday or Sunday');

14 end if;

15 end;

Trigger created.

SQL> create trigger trig\_udi

2 after update or delete or insert

3 on Emp

4 for each row

5 decalre

6 Empno number(4);

7 Ename varchar2(10);

8 Opera varchar2(15);

9 begin

10 if deleting then

11 Opera:='Deletion';

12 end if;

13 if inserting then

14 Opera:='Insertion';

15 end if;

16 if updating then

17 Opera:='Update';

18 end if;

19 Empno:=old.Empno;

20 Ename:= old.Ename;

21 insert into udi values (Empno, Ename, Opera, User, Sysdate);

22 end;

23 /

Trigger created.

SQL> delete from Emp where Empno=7876;

1 row deleted.

SQL> select \* from udi;

ENO NAME OPERA URID OPDATE

---------- --------------- --------------- --------------- ---------

7876 Adams Deletion SCOTT 24-APR-09

SQL> update Emp

2 set sal=5000

3 where sal<2000;

6 rows updated.

SQL> select \* from udi;

ENO NAME OPERA URID OPDATE

---------- --------------- --------------- --------------- ---------

7876 Adams Deletion SCOTT 24-APR-09

7499 Allen Update SCOTT 24-APR-09

7521 Ward Update SCOTT 24-APR-09

7654 Martin Update SCOTT 24-APR-09

7844 Turner Update SCOTT 24-APR-09

7900 James Update SCOTT 24-APR-09

7934 Miller Update SCOTT 24-APR-09

7 rows selected.

SQL> alter trigger trig\_udi disable;

Trigger altered.

SQL> alter trigger weekend\_emp disable;

Trigger altered.

SQL> alter trigger trig\_udi enable;

Trigger altered.

SQL> alter trigger weekend\_emp enable;

Trigger altered.

**Written By :**

**Name : Rohit Aggarwal**

**Roll No. : 7CS-097**