**Practical no.-**14

**Title:**PL/SQL Programs using Based on Exception Handling

**Roll No.:**15 **Batch-** A **Date of Performance:** 23-Nov-22

SQL> conn;

Enter user-name: Aditya

Enter password:

Connected.

**XIII) Practical Related Questions:**

SQL> set serveroutput on;

**1)** **Handling of Zero Divide Exception:-**

SQL> declare

2 a number;

3 b number;

4 c number;

5 begin

6 a:=&amp;a;

7 b:=&amp;b;

8 c:= a/b;

9 dbms\_output.put\_line(c);

10 exception

11 when zero\_divide then

12 dbms\_output.put\_line(‘divisor is zero’);

13 end;

14 /

Enter value for a: 10

Enter value for b: 0

old 5: begin a:=&a; b:=&b;

new 5: begin a:=10; b:=0;

divisor is zero

PL/SQL procedure successfully completed.

**2)** **Program to Check the Duration if it is Less than 40 then raise user defined** **exception**

SQL> declare

2 my\_exe Exception;

3 D1 course.duration%type;

4 begin

5 select duration into d1 from course where sid=3;

6 if d1 &lt;40 then

7 raise my\_exe;

8 end if;

9 exception

10 when my\_exe then

11 dbms\_output.put\_line(‘Duration is less than 40’);

12 end;

13 /

Duration is less than 40

PL/SQL procedure successfully completed.

**Extra Programs:-**

**1) Handling of No\_data\_found Exception:-**

SQL> Declare

2 neid emp.empno%type;

3 begin

4 select empno into neid from emp where empno=100;

5 dbms\_output.put\_line(neid);

6 exception

7 when no\_data\_found then

8 dbms\_output.put\_line('Data is not found');

9 end;

10 /

Data is not found

PL/SQL procedure successfully completed.

**2) Handling of Many rows fetched Exception:-**

SQL> Declare

2 e\_id emp.empno%type;

3 begin

4 select empno into e\_id from emp;

5 exception

6 when too\_many\_rows then

7 dbms\_output.put\_line('Many rows are fetched');

8 end;

9 /

Many rows are fetched

PL/SQL procedure successfully completed.

**3)IF data is not found for SID=6 then use Raise\_application\_error to Display message**

SQL >declare

1 dur course.duration%type;

2 begin

3 select duration into dur from course where sid=6;

4 Exception

5 when NO\_DATA\_FOUND then

6 Raise\_application\_error(-20100,'NO Data Found');

7 end;

8 /

ERROR at line 1:

ORA-20100: NO Data Found

ORA-06512: at line 6

PL/SQL procedure successfully completed.

**4)IF divisor is zero then use Raise\_application\_error to Display message .**

SQL>declare

b number;

begin

b:= 5/0;

exception

when zero\_divide then

raise\_application\_error(20202,’divisor is zero’);

end;

/

ERROR at line 1:

ORA-20202: divisor is zero

ORA-06512: at line 4

PL/SQL procedure successfully completed.