**Views**

SQL> create table employee(ssn varchar2(20) not null,fname varchar2(20),lname varchar2(20),address varchar2(20),sex char(1),salary number(38));

Table created.

SQL> describe employee

Name Null? Type

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

SSN NOT NULL VARCHAR2(20)

FNAME VARCHAR2(20)

LNAME VARCHAR2(20)

ADDRESS VARCHAR2(20)

SEX CHAR(1)

SALARY NUMBER(38)

SQL> insert into employee values('21','fayas','rasheed','konnachadath','M',250000);

1 row created.

SQL> insert into employee values('22','arun','balan','aruns villa','M',25000);

1 row created.

SQL> create view staff as select fname,ssn from employee;

View created.

SQL> select \* from staff;

FNAME SSN

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

fayas 21

arun 22

SQL> drop view staff;

View dropped.

SQL> select \* from staff;

select \* from staff

\*

ERROR at line 1:

ORA-00942: table or view does not exist

**Named PL SQL Procedure and Functions**

SQL> CREATE OR REPLACE PROCEDURE welcome\_msg (p\_name IN VARCHAR2)

2 IS

3 BEGIN

4 dbms\_output.put\_line ('Welcome '|| p\_name);

5 END;

6 /

Procedure created.

SQL> exec welcome\_msg('Guru99');

Welcome Guru99

PL/SQL procedure successfully completed.

3 a.

SQL> CREATE OR REPLACE FUNCTION welcome\_msg\_func ( p\_name IN VARCHAR2) RETURN VARCHAR2

2 IS

3 BEGIN

4 RETURN ('Welcome '|| p\_name);

5 END;

6 /

Function created.

i)

SQL>

SQL> DECLARE

2 lv\_msg VARCHAR2(250);

3 BEGIN

4 lv\_msg := welcome\_msg\_func ('Guru99');

5 dbms\_output.put\_line(lv\_msg);

6 END;

7 /

Welcome Guru99

PL/SQL procedure successfully completed.

ii)

SQL> SELECT welcome\_msg\_func('Guru99') FROM DUAL;

WELCOME\_MSG\_FUNC('GURU99')

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

Welcome Guru99

3b)

SQL> CREATE OR REPLACE FUNCTION welcome\_msg\_func ( p\_name IN VARCHAR2,sal out number) RETURN VARCHAR2

2 IS

3 BEGIN

4 sal:=10000;

5 RETURN ('Welcome '|| p\_name);

6 END;

7 /

Function created.

**calling function--->**

SQL> DECLARE

2 lv\_msg VARCHAR2(250);

3 sal number;

4 BEGIN

5 lv\_msg := welcome\_msg\_func ('Guru99',sal);

6 dbms\_output.put\_line(lv\_msg|| ' : '||sal );

7 END;

8 /

Welcome Guru99 : 10000

PL/SQL procedure successfully completed.

**PL/SQL Cursor , Triggor**

**16)**

declare

2 id constant number:=1;

3 sname stud\_file.name%type;

4 mark1 stud\_file.m1%type;

5 mark2 stud\_file.m2%type;

6 total number:=0;

7 begin

8 select name,m1,m2 into sname,mark1,mark2 from stud\_file where sid=1;

9 total:=mark1+mark2;

10 dbms\_output.put\_line('Total mark of student '||sname||' with id'||id||' is : '||total);

11 end;

12 /

Total mark of student anu with id1 is : 85

PL/SQL procedure successfully completed.

17)

declare

2 cursor stud\_cursor is select \* from stud\_file;

3 stud\_rec stud\_cursor%rowtype;

4 total number:=0;

5 begin

6 open stud\_cursor;

7 loop

8 fetch stud\_cursor into stud\_rec;

9 exit when stud\_cursor%notfound or stud\_cursor%rowcount>4;

10 total:=stud\_rec.m1+stud\_rec.m2;

11 dbms\_output.put\_line('Total marks of student '||stud\_rec.name||' is: '||total);

12 end loop;

13 end;

14 /

Total marks of student anu is: 85

Total marks of student binu is: 93

Total marks of student cini is: 75

Total marks of student dini is: 55

PL/SQL procedure successfully completed.

18)

SQL> create table stud\_mark(sid number,total number);

Table created.

SQL> create or replace trigger stud\_trig after insert on stud\_file

2 for each row

3 declare

4 tot number:=0;

5 begin

6 tot:=:new.m1+:new.m2;

7 insert into stud\_mark values(:new.sid,tot);

8 DBMS\_OUTPUT.PUT\_LINE('AFTER INSERT trigger activated:');

9 end;

10 /

Trigger created.

SQL> insert into stud\_file values(5,'rani',40,45);

AFTER INSERT trigger activated:

1 row created.

SQL> select \* from stud\_mark;

SID TOTAL

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

5 85