EXPERIMENT: 9

Aim: Program development using creation of stored functions, invoke functions in SQL statements and write complex functions.

Program for function:

```
SQL> create or replace function getname(dno number) return varchar2 as
  2 fname1 varchar2(30);
  3 begin
  4     select dname into fname1 from department where deptno=dno;
  5 return(fname1);
  6 exception
  7 when no_data_found then
  8     raise_application_error(-20100,'Your entered Department number is not exists');
  9 end;
 10 /
```

Function created.

```
SQL> set serveroutput on;
SQL> declare
  2 fname2 varchar2(30);
  3 deptno2 number(5);
  4 begin
  5 deptno2:=&deptno;
  6 fname2:=getname(deptno2);
  7 dbms_output.put_line(fname2||' is in dept no '||deptno2);
  8 end;
  9 /
Enter value for deptno: 1219
old   5: deptno2:=&deptno;
new   5: deptno2:=1219;
sai is in dept no 1219
```

PL/SQL procedure successfully completed.

SQL> /

Enter value for deptno: 2192

old   5: deptno2:=&deptno;

new   5: deptno2:=2192;

declare

*

ERROR at line 1:

ORA-20100: Your entered Department number is not exists

ORA-06512: at "SYSTEM.GETNAME", line 8

ORA-06512: at line 6