EXPERIMENT NO 8

Exercise:

1. Program to display a number.

```
SQL> set serveroutput on
SQL> declare
  2  i number(5);
  3  begin
  4  i:=5;
  5  dbms_output.put_line('number is'||i);
  6  end;
  7  /
number is5
PL/SQL procedure successfully completed.
```

2. Program to get salary of an employee with id E016 and display it on the screen.

```
SQL> create table employee4(
  2  e_id number(5),e_name varchar(5),
  3  age number(2),salary number(5));

Table created.

SQL> select * from employee4;

     E_ID E_NAM       AGE     SALARY
---------- ----- ---------- ----------
      101 ABC          20      35000
      102 XYZ          21      40000
      103 MNO           21      20000

SQL> declare
  2  var_salary number(6);
  3  var_e_id number(6):=101;
  4  begin
  5  select salary
  6  into var_salary
  7  from employee4
  8  where e_id=var_e_id;
  9  dbms_output.put_line('salary is'||var_salary);
 10  end;
 11  /
salary is35000
```

PL/SQL procedure successfully completed.

3. Program to display grade based on marks obtained.

```
SQL> declare
  2  marks number(3);
  3  begin
  4  marks:=75;
  5  if marks>80 then
  6  dbms_output.put_line('Grade is O');
  7  else if marks>70 then
  8  dbms_output.put_line('Grade is A');
  9  else
 10  dbms_output.put_line('Grade is B');
 11  end if;
 12  end if;
 13  end ;
 14  /
Grade is A
```

PL/SQL procedure successfully completed.

4. Program to find the largest value from two value use if then loop.

```
SQL> declare
  2  x number(4);
  3  y number(4);
  4  begin
  5  x:=&x;
  6  y:=&y;
  7  if x>y then
  8  dbms_output.put_line('Greater is'||x);
  9  else
 10  dbms_output.put_line('Greater is'||y);
 11  end if;
 12  end;
 13  /
Enter value for x: 4
old   5: x:=&x;
new   5: x:=4;
Enter value for y: 3
old   6: y:=&y;
new   6: y:=3;
Greater is4
```

PL/SQL procedure successfully completed.

5. Program to add numbers and print the value using simple loop.

```
SQL> declare
  2  x number:=100;
  3  begin
  4  loop
  5  x:=x+50;
  6  dbms_output.put_line(x);
  7  exit when x=250;
  8  end loop;
  9  end;
 10  /
150
200
250
PL/SQL procedure successfully completed.
```

6. Program to find sum of first 10 numbers using for loop.

```
 SQL> declare
2  i integer:=0;
3  a integer:=1;
4  begin
5  for a in 10..20 loop
6  i:=i+a;
7  end loop;
8  dbms_output.put_line(i);
9  end;
 10  /
165
```

7. Program to print numbers from 1 to 10 using while loop.

```
SQL> declare
2  i number(5):=1;
3  begin
4  while(i<=10) loop
5  dbms_output.put_line(i);
6  i:=i+1;
7  end loop;
8  end;
  9  /
1 2 3 4 5 6 7 8 9 10
```