EXPERIMENT-16

AIM: To write PL/SQL program to implement Cursor on table.
Source code:

```
C##547>create table people (
  2  id number primary key,
  3  name varchar2(30) not null,
  4  age number(3) not null,
  5  salary number(10,2) not null
  6  );

Table created.
```

Instances of people :

```
C##547>insert all
  2  into people values(1,'tauheed',19,10000)
  3  into people values(2,'navya',20,20000)
  4  into people values(3,'neha',19,11000)
  5  into people values(4,'rehan',18,15000)
  6  select * from dual;

4 rows created.
```

Create update procedure

Create procedure:

```
C##547>DECLARE
  2  total_rows number(2);
  3  begin
  4  update people
  5  set salary = salary+5000;
  6  if sql%notfound then
  7  dbms_output.put_line('no customers updated');
  8  elsif sql%found then
  9  total_rows := sql%rowcount;
 10  dbms_output.put_line( total_rows || ' customers updated ');
 11  end if;
 12  end;
 13  /
```

```
no customers updated

PL/SQL procedure successfully completed.
```

PL/SQL Program using Explicit Cursors :

```
C##547>declare
  2  p_id people.id%type;
  3  p_name people.name%type;
  4  p_age people.age%type;
  5  cursor p_people is
  6  select id,name,age from people;
  7  begin
  8  open p_people;
  9  loop
 10  fetch p_people into p_id, p_name, p_age;
 11  exit when p_people%notfound;
 12  dbms_output.put_line(p_id || ' ' || p_name || ' ' || p_age);
 13  end loop;
 14  close p_people;
 15  end;
 16  /
```

```
C##547>/
1 tauheed 19
2 navya 20
3 neha 19
4 rehan 18

PL/SQL procedure successfully completed.
```

CONCLUSION : The pl/sql program is successfully executed.

```
SQL-CSE530>DECLARE
  2   total_rows number(2);
  3   BEGIN
  4   UPDATE people
  5   SET salary = salary + 5000;
  6   IF sql%notfound THEN
  7   dbms_output.put_line('no customers updated');
  8   ELSIF sql%found THEN
  9   total_rows := sql%rowcount;
 10   dbms_output.put_line( total_rows || ' customers updated ');
 11   END IF;
 12   END;
 13   /
no customers updated

PL/SQL procedure successfully completed.
```

PL/SQL Program using Explicit Cursors :

```
SQL-CSE530>ed
Wrote file afiedt.buf

  1   DECLARE
  2   p_id people.id%type;
  3   p_name people.name%type;
  4   p_age people.age%type;
  5   CURSOR p_people IS
  6   SELECT id,name,age FROM people;
  7   BEGIN
  8   OPEN p_people;
  9   LOOP
 10   FETCH p_people into p_id, p_name, p_age;
 11   EXIT WHEN p_people%notfound;
 12   dbms_output.put_line(p_id || ' ' || p_name || ' ' || p_age);
 13   END LOOP;
 14   CLOSE p_people;
 15*  END;
SQL-CSE530>/
1 jaga 23
2 asif 32
3 vijay 26
4 Siva 35
```

CONCLUSION : The pl/sql program is successfully executed.