16. Cursor (Any Two)

```
create table bank_manager(
     id number(3) not null primary key,
      inactive_days number(3)
   );

insert into bank_manager (id, inactive_days) values (01,256);
insert into bank_manager (id, inactive_days) values (02,456);
insert into bank_manager (id, inactive_days) values (03,545);
insert into bank_manager (id, inactive_days) values (04,222);
insert into bank_manager (id, inactive_days) values (05,120);
insert into bank_manager (id, inactive_days) values (06,03);

select * from bank_manager;
alter table bank_manager add status number(2) ;
select * from bank_manager;

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 1  declare
 2    total_rows number(3);
 3  begin
 4    update bank_manager set status = 1 where inactive_days>356;
 5    if sql%notfound then
 6          dbms_output.put_line('No Record Found');
 7    elsif sql%found then
 8          total_rows := sql%rowcount;
 9          dbms_output.put_line('Account Updated: '||total_rows);
```

```
 10     end if;
 11* end;
```

```
set serveroutput on;
select * from bank_manager;
```

a) The bank manager has decided to activate all those accounts which were previously marked as inactive for performing no transaction in last 365 days. Write a PL/SQ block (using implicit cursor) to update the status of account, display an approximate message based on the no. of rows affected by the update. (Use of %FOUND, %NOTFOUND, %ROWCOUNT)

b)Organization has decided to increase the salary of employees by 10% of existing salary, who are having salary less than average salary of organization, Whenever such salary updates takes place, a record for the same is maintained in the increment_salary table.

```
create table employee2(
     id number not null primary key,
      name varchar2(20),
      salary number(10,2) not null
   );
```

```
insert into employee2(id,name,salary) values (1,'Rushikesh',20000);
insert into employee2(id,name,salary) values (2,'Ritul',30000);
insert into employee2(id,name,salary) values (3,'Sanket',35000);
insert into employee2(id,name,salary) values (4,'Isha',40000);
insert into employee2(id,name,salary) values (5,'Kunal',25000);
insert into employee2(id,name,salary) values (6,'Ranjit',18000);
```

```
select * from employee2;
```

```
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  1  declare
  2    av_salary number(10,2);
  3  begin
  4    av_salary := &av_salary;
  5    update employee2 set salary = salary*0.10 where salary < av_salary;
  6    if sql%found then
  7          dbms_output.put_line('Rows Updated: '||sql%rowcount);
  8    elsif sql%notfound then
  9          dbms_output.put_line('No Record Found');
 10     end if;
 11* end;
Enter value for av_salary: 28000
old   4:       av_salary := &av_salary;
new   4:       av_salary := 28000;

set serveroutput on;

Enter value for av_salary: 28000
old   4:       av_salary := &av_salary;
new   4:       av_salary := 28000;
```

c) Write PL/SQL block using explicit cursor for following requirements: College has decided to mark all those students detained (D) who are having attendance less than 75%. Whenever such update takes place, a record for the same is maintained in the D_Stud table. create table stud21(roll number(4), att number(4), status varchar(1));

```
create table stud21(
      roll number(4) not null primary key,
      att number(4) not null,
      status varchar(1)
   );
insert into stud21 (roll,att) values (1,78);
insert into stud21 (roll,att) values (2,58);
insert into stud21 (roll,att) values (3,76);
insert into stud21 (roll,att) values (4,66);
insert into stud21 (roll,att) values (5,56);
 insert into stud21 (roll,att) values (6,88);

SQL> create table d_stud(
     roll number(4) not null,
     att number(4) not null,
    status varchar(1)
  );
SQL> set linesize 160;
SQL> select * from stud21;
SQL> declare
  2     cursor stu_cursor is
  3     select roll,att from stud21 where att<75;
  4     stud_record stu_cursor%rowtype;
  5  begin
  6     open stu_cursor;
  7     loop
  8           fetch stu_cursor into stud_record;
  9           exit when stu_cursor%notfound;
 10           insert into d_stud (roll,att) values (stud_record.roll,stud_record.att);
```

```
 11            update stud21 set status = 'D' where roll = stud_record.roll;
 12     end loop;
 13  end;
 14  /
SQL> select * from stud21;
SQL> select * from d_stud;
```