```
SQL> Create table Cust_New(ID int, Name Varchar2(10), City Varchar2(10), Salary
int);

Table created.

SQL> Create table Cust_Old(ID int, Name Varchar2(10), City Varchar2(10), Salary
int);

Table created.

SQL> desc Cust_New;
 Name                                      Null?    Type
 ----------------------------------------- -------- -----------------------------
 ID                                                 NUMBER(38)
 NAME                                               VARCHAR2(10)
 CITY                                               VARCHAR2(10)
 SALARY                                             NUMBER(38)

SQL> desc Cust_Old;
 Name                                      Null?    Type
 ----------------------------------------- -------- -----------------------------
 ID                                                 NUMBER(38)
 NAME                                               VARCHAR2(10)
 CITY                                               VARCHAR2(10)
 SALARY                                             NUMBER(38)

SQL> insert into Cust_New Values ( 1,'Ajay', 'Pune', 20000);

1 row created.

SQL> insert into Cust_New Values ( 2,'Ramesh','Pune', 15000);

1 row created.

SQL> insert into Cust_New Values ( 3,'Umesh', 'Pune', 40000);

1 row created.

SQL> insert into Cust_New Values ( 4,'Ram', 'Pune', 25000);

1 row created.

SQL> insert into Cust_Old Values ( 1,'Ramesh','Pune', 15000);

1 row created.

SQL> insert into Cust_Old Values ( 5,'Sunil', 'Pune', 45000);

1 row created.

SQL> select * from Cust_New;
```

```
        ID NAME        CITY         SALARY
---------- ---------- ---------- ----------
         1 Ajay       Pune          20000
         2 Ramesh     Pune          15000
         3 Umesh      Pune          40000
         4 Ram        Pune          25000
```

SQL> select * from Cust_Old;

```
        ID NAME        CITY         SALARY
---------- ---------- ---------- ----------
         1 Ramesh     Pune          15000
         5 Sunil      Pune          45000
```

SQL> edit imp_cur.sql

--Implicit Cursor

```
declare
no Cust_New.ID%type;
totrecord int;
begin
no:=&no;
select ID into no from Cust_New where ID=no;
if(SQL%found) then
totrecord:=SQL%ROWCOUNT;
dbms_output.put_line('total number of records:='||totrecord);
end if;
end;
/
```

SQL> set serveroutput on;

SQL> @imp_cur.sql
Enter value for no: 1
old   5: no:=&no;
new   5: no:=1;
total number of records:=1

PL/SQL procedure successfully completed.

SQL> edit imp_cur.sql

--Explicit Cursor

```
declare
cursor c1 is select * from Cust_New;
c1_id Cust_New.id%type;
c1_name Cust_New.name%type;
```

```
c1_city Cust_New.city%type;
c1_sal Cust_New.salary%type;
begin
open c1;
loop
fetch c1 into c1_id,c1_name,c1_city,c1_sal;
exit when c1%notfound;
dbms_output.put_line(c1_id||' '||c1_name||' '||c1_city||''||c1_sal);
end loop;
close c1;
end;
/

SQL> @exp_cur.sql
1 Ajay Pune20000
2 Ramesh Pune15000
3 Umesh Pune40000
4 Ram Pune25000

PL/SQL procedure successfully completed.

SQL> edit for_cur.sql
--for loop cursor
Declare
cursor fc is select * from Cust_New where salary>=25000;
tmp fc%rowtype;
begin
dbms_output.put_line('ID Name City Salary');
for tmp in fc
loop
dbms_output.put_line(tmp.id || ' ' || tmp.name || ' ' || tmp.city || ' ' ||
tmp.salary);
end loop;
end;
/

SQL> @for_cur.sql
ID Name City Salary
3 Umesh Pune 40000
4 Ram Pune 25000

PL/SQL procedure successfully completed.

SQL> edit par_cur.sql
--Parameterized cursor

declare
cursor pc(c_id number) is SELECT * FROM Cust_New where id=c_id;
tmp pc%rowtype;
begin
dbms_output.put_line('ID Name City Salary');
```

```
for tmp in pc(2)
LOOP
dbms_output.put_line(tmp.id || ' ' || tmp.name || ' ' || tmp.city || ' ' ||
tmp.salary);
END LOOP;
END;
/

SQL> @par_cur.sql
ID Name City Salary
2 Ramesh Pune 15000

PL/SQL procedure successfully completed.

SQL> edit merge_cur.sql
--Merge Table

declare
cursor para_cursor(c_id number) is SELECT * FROM Cust_Old where ID=c_id;
cur_cust_old para_cursor%rowtype;
flag number;
begin
flag:=0;
for i IN (SELECT id, name, city, salary from cust_new)
loop
for cur_cust_old in para_cursor(i.id)
loop
update Cust_Old set name = i.name, city = i.city, salary=i.salary where id = i.id;
flag:=1;
end loop;
If flag=0 Then
insert into Cust_Old values (i.id, i.name,i.city,i.salary);
end if;
flag:=0;
end loop;
end;
/
SQL> @merge_cur.sql

PL/SQL procedure successfully completed.

SQL> select * from Cust_Old;
```

ID	NAME	CITY	SALARY
1	Ajay	Pune	20000
5	Sunil	Pune	45000
2	Ramesh	Pune	15000
3	Umesh	Pune	40000
4	Ram	Pune	25000