**Cursors**

**1**.Calculate Interest for Fixed Deposit Amount Using Cursors.

set intrest as 0 and then update it using the program.

set 10% intrest for amount less than or equal to 1000.

20% for more then 1000 to 5000.

30% for above 5000.

create table bank(acno integer,cust\_name varchar(20),deposit integer,address varchar(30),interest integer);

insert into bank values(101,'anu',2000,'bc',0);

insert into bank values(102,'manu',1500,'abc',0);

insert into bank values(103,'sanu',60000,'sdc',0);

insert into bank values(104,'janu',2900,'xyz',0);

insert into bank values(105,'banu',12000,'ysh',0);

insert into bank values(106,'sranu',300,'yhn',0);

select \* from bank;

ACNO CUST\_NAME DEPOSIT ADDRESS INTEREST

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101 anu 2000 bc 0

102 manu 1500 abc 0

103 sanu 60000 sdc 0

104 janu 2900 xyz 0

105 banu 12000 ysh 0

106 sranu 300 yhn 0

set serveroutput on;

declare

cursor c1 is select \* from bank;

begin

for i in c1

loop

if i.deposit<=1000

then

update bank set interest=i.deposit\*0.1 where acno=i.acno;

elsif i.deposit>=1000 and i.deposit<=5000

then

update bank set interest=i.deposit\*0.2 where acno=i.acno;

else

update bank set interest=i.deposit\*0.3 where acno=i.acno;

end if;

end loop;

end;

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select \* from bank;

ACNO CUST\_NAME DEPOSIT ADDRESS INTEREST

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101 anu 2000 bc 400

102 manu 1500 abc 300

103 sanu 60000 sdc 18000

104 janu 2900 xyz 580

105 banu 12000 ysh 3600

106 sranu 300 yhn 30

2. Calculate Electricity Bill Using Cursors

create table elecs(consno integer,cust\_name varchar(20),unit integer, charge int);

insert into elecs values(101,'anu',200,0);

insert into elecs values(102,'manu',500,0);

insert into elecs values(103,'sanu',600,0);

insert into elecs values(104,'janu',20,0);

insert into elecs values(105,'banu',120,0);

insert into elecs values(106,'sranu',300,0);

set serveroutput on;

declare

cursor c1 is select \* from elecs;

begin

for i in c1

loop

if i.unit<=100

then

update elecs set charge=i.unit\*0.1 where consno=i.consno;

elsif i.unit>=200 and i.unit<=400

then

update elecs set charge=i.unit\*0.2 where consno=i.consno;

else

update elecs set charge=i.unit\*0.3 where consno=i.consno;

end if;

end loop;

end;

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select \* from elecs;

CONSNO CUST\_NAME UNIT CHARGE

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101 anu 200 40

102 manu 500 150

103 sanu 600 180

104 janu 20 2

105 banu 120 36

106 sranu 300 60

3.Write PL/SQL code to UPDATE values in created tables by using Implicit Cursors.

set serveroutput on;

declare

row number(20);

begin

update elecs set unit=unit+100;

if sql%notfound then

dbms\_output.put\_line('no row updated');

elsif sql%found then

dbms\_output.put\_line('rows updated');

row:=sql%rowcount;

end if;

end;

/

rows updated

procedure successfully completed.

select \* from elecs ;

CONSNO CUST\_NAME UNIT CHARGE

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101 anu 300 40

102 manu 600 150

103 sanu 700 180

104 janu 120 2

105 banu 220 36

106 sranu 400 60

4.Given the table works(emp\_id,company\_name,salary).write a cursor to

select the three highest paid employees from the table.

create table wor(emp\_id integer,company\_name varchar(20),salary number);

insert into wor values(101,'abc',3000);

insert into wor values(102,'bcd',4000);

insert into wor values(103,'cde',7000);

insert into wor values(104,'def',9000);

select \* from wor;

select \* from wor;

EMP\_ID COMPANY\_NAME SALARY

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102 bcd 4000

103 cde 7000

104 def 9000

101 abc 3000

set serveroutput on;

declare

cursor c1 is select \* from(select \* from wor order by salary desc) where rownum<=4;

r c1%rowtype;

begin

open c1;

loop

fetch c1 into r;

exit when c1 %notfound;

dbms\_output.put\_line(r.emp\_id||' '||r.company\_name||' '||r.salary);

end loop;

end;

/

104 def 9000

103 cde 7000

102 bcd 4000

101 abc 3000