**Cursors – CO2.2**

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.

**Program**

create table deposit(accno int primary key,year int,amount int,interest int);

insert into deposit values(&accno,'&year',&amount,&interest);

declare

cursor c1 is select \* from deposit;

begin

for i in c1

loop

if i.amount<=1000

then

update deposit set interest=i.amount\*0.1 where accno=i.accno;

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

then

update deposit set interest=i.amount\*0.2 where accno=i.accno;

else

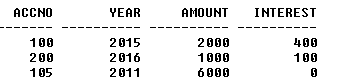
update deposit set interest=i.amount\*0.3 where accno=i.accno;

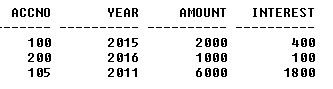
end if;

end loop;

end;

**Output**





2. Calculate Electricity Bill Using Cursors.

**Program**

create table bill(ebno number(20) primary key, name varchar(20), eunit number(20), echarge float);

insert into bill values(&eb,'&name',&eunit,&echarge);

declare

cursor cbill is select \* from bill;

begin

for i in cbill

loop

if i.eunit<100 then

update bill set echarge =i.eunit\*0.1 where ebno=i.ebno;

elsif i.eunit>=100 and i.eunit<=200 then

update bill set echarge=i.eunit\*0.2 where ebno=i.ebno;

else

update bill set echarge=i.eunit\*0.3 where ebno=i.ebno;

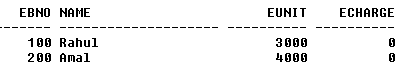
end if;

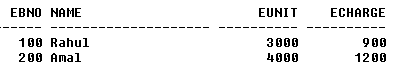
end loop;

end;

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**Output**





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

Create table company(eid varchar(20) primary key,ename varchar(20),salary int);

Insert into company values('&eid','&ename',&salary);

**Program**

declare

rowno number(20);

begin

update company set salary=salary+1000;

if sql%notfound then

dbms\_output.put\_line('No amount updated');

elsif sql%found then

rowno:=sql%rowcount;

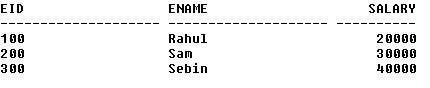
dbms\_output.put\_line(rowno||' employee salary updated');

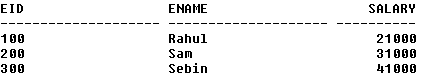
end if;

end;

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**Output**





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 works(emp\_id varchar(20) primary key,company\_name varchar(20),salary int); insert into works values('&empid','&company',&salary);

**Program**

declare

cursor c1 is SELECT \* FROM (SELECT \* FROM works ORDER BY salary desc) WHERE ROWNUM <= 3;

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;

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**Output**

