

PL SQL Assignment 2

Roll No: U18CO021

Create Table and Insert Values

```
create table emp (  
    empno number,  
    ename varchar2(30),  
    job varchar2(15),  
    sal number(8, 2),  
    deptno number(2),  
    commission number(7, 2)  
    primary key (empno)  
);  
  
insert into emp values (101, 'Lisa', 'Clerk', 20000.00, 10, 550.00);  
insert into emp values (102, 'Jennifer', 'Analyst', 50000.00, 10,  
500.00);  
insert into emp values (103, 'Joseph', 'Senior Analyst', 70000.00, 10,  
600.00);  
insert into emp values (104, 'David', 'Scientist', 70000.00, 20,  
550.00);  
insert into emp values (105, 'Mathew', 'Clerk', 20000.00, 20, 550.00);  
insert into emp values (106, 'Amit', 'Programmer', 55000.00, 30,  
600.00);
```

a) Write a PL/SQL code to display the Empno, Ename and Job of employees of DeptNo10 with CURSOR FOR LOOP Statement.

```
declare  
    cursor test_cursor  
    is  
        select *  
        from emp  
        where deptno = 10;  
begin  
  
    for itr in test_cursor  
    loop  
        dbms_output.put_line(itr.empno || ' ' || itr.ename || ' ' ||  
itr.job);
```

```
end loop;  
  
end;  
/
```

```
Statement processed.  
101 Lisa Clerk  
102 Jennifer Analyst  
103 Joseph Senior Analyst
```

b) Write a PL/SQL code to increase the salary of employees according to the following conditions:

Salary of DeptNo 10 employees increased by 1000.

Salary of DeptNo 20 employees increased by 500.

Salary of DeptNo 30 employees increased by 800.

```
declare  
begin  
    update emp  
    set sal = sal + 1000  
    where deptno = 10;  
  
    update emp  
    set sal = sal + 500  
    where deptno = 20;  
  
    update emp  
    set sal = sal + 800  
    where deptno = 30;  
end;  
/
```

```
Statement processed.
```

EMPNO	ENAME	JOB	SAL	DEPTNO	COMMISSION
101	Lisa	Clerk	21000	10	550
102	Jennifer	Analyst	51000	10	500
103	Joseph	Senior Analyst	71000	10	600
104	David	Scientist	70500	20	550
105	Mathew	Clerk	20500	20	550
106	Amit	Programmer	55800	30	600

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c) With the help of cursor, list those employees whose salary is less than Rs.50000/-

```

declare
    cursor test_cursor
    is
        select *
        from emp
        where sal < 50000;
begin
    for itr in test_cursor
    loop
        dbms_output.put_line(itr.ename);
    end loop;

end;
/

```

```

Statement processed.
Lisa
Mathew

```

d) Find out the number of rows affected in the above query.

```

declare
    cursor test_cursor
    is
        select count(*)

```

```
        from emp
        where sal < 50000;

        counter int := 1;
begin
    for itr in test_cursor
    loop
        counter := counter + 1;
    end loop;

    dbms_output.put_line(counter);
end;
/
```

```
Statement processed.
2
```