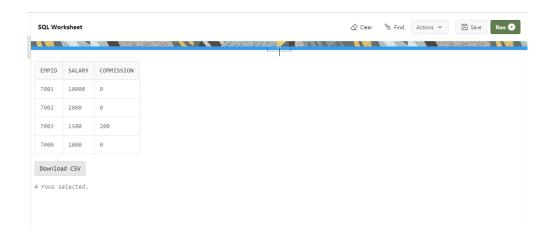
## Name:-Swapnadeep Mishra

## Section:- A3, Roll No.:-002211001115

Assignment:-4b

```
1)
declare
           emp int:=7003;
begin
update employees
set commission=200
where empid=emp and salary<2000;
COMMIT;
end;
  EMPID SALARY COMMISSION
        10000
  7002
        2000
  7003
        1500
  7000
        1000
 Download CSV
 4 rows selected.
                                                                           3 emp int:=7003;
4 <sub>v</sub> begin
   update employees
set commission=200
where empid=emp and salary<2000;
9
10 COMMIT;
11 end;
12
13
14
 Statement processed.
```



## 2)

```
declare
cursor cur_emp is
select ename,deptno,sal from emp order by sal desc;

var_emp cur_emp%rowtype;

begin
open cur_emp;
for i in 1..4 loop
fetch cur_emp into var_emp;
dbms_output.put_line(var_emp.ename||' '||var_emp.deptno||' '||var_emp.sal);
end loop;
close cur_emp;
end;
```



```
3)
```

```
declare
cursor cur_emp is
select ename,deptno,sal from emp where (deptno,sal) in (select deptno,min(sal) from emp
group by deptno);

var_emp cur_emp%rowtype;

begin
open cur_emp;
loop
fetch cur_emp into var_emp;
exit when cur_emp%notfound;
dbms_output.put_line(var_emp.ename||' '||var_emp.deptno||' '||var_emp.sal);
end loop;
close cur_emp;
end;
```



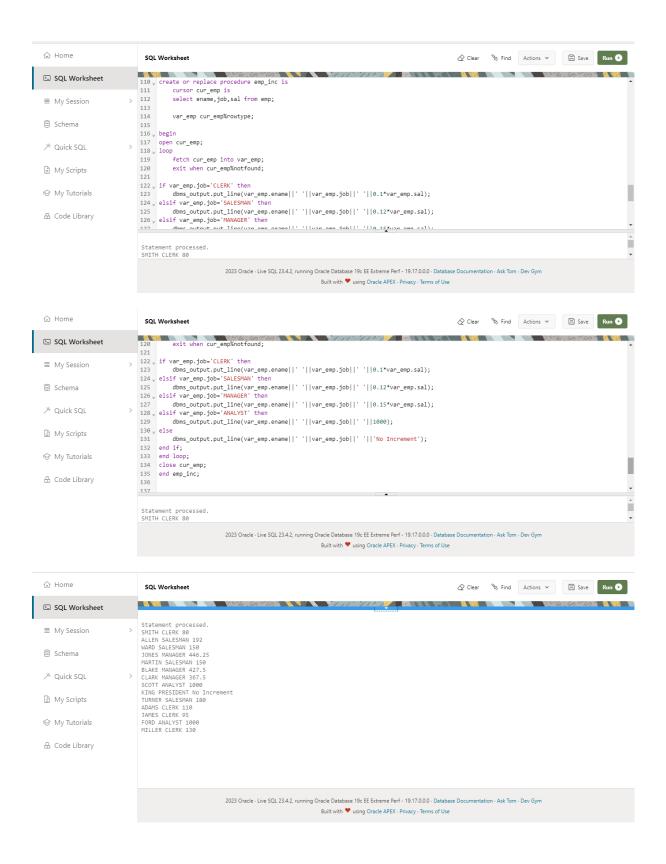
```
4)
```

```
declare
cursor cur_emp is
select deptno,round(avg(sal),2) as rt from emp group by deptno;
var_emp cur_emp%rowtype;

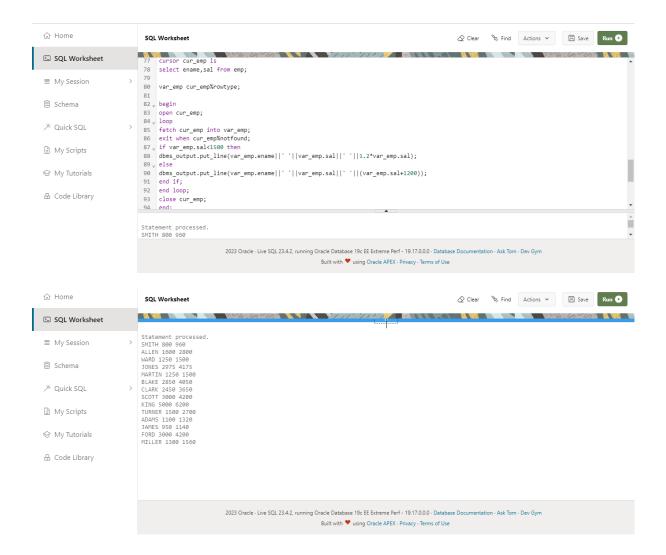
begin
open cur_emp;
loop
fetch cur_emp into var_emp;
exit when cur_emp%notfound;
dbms_output.put_line(var_emp.deptno||' '||var_emp.rt);
end loop;
close cur_emp;
end;
```



```
5)
create or replace procedure emp_inc is
   cursor cur_emp is
       select ename,job,sal from emp;
var_emp cur_emp%rowtype;
begin
open cur_emp;
loop
   fetch cur_emp into var_emp;
       exit when cur_emp%notfound;
if var_emp.job='CLERK' then
       dbms_output.put_line(var_emp.ename||' '||var_emp.job||' '||0.1*var_emp.sal);
elsif var_emp.job='SALESMAN' then
       dbms_output.put_line(var_emp.ename||' '||var_emp.job||' '||0.12*var_emp.sal);
elsif var_emp.job='MANAGER' then
       dbms_output.put_line(var_emp.ename||' '||var_emp.job||' '||0.15*var_emp.sal);
elsif var_emp.job='ANALYST' then
       dbms_output.put_line(var_emp.ename||' '||var_emp.job||' '||1000);
else
       dbms_output.put_line(var_emp.ename||' '||var_emp.job||' '||'No Increment');
end if;
end loop;
close cur_emp;
end emp_inc;
```



```
6)
declare
cursor cur_emp is
select ename, sal from emp;
var_emp cur_emp%rowtype;
begin
open cur_emp;
fetch cur_emp into var_emp;
exit when cur_emp%notfound;
if var_emp.sal<1500 then</pre>
dbms_output.put_line(var_emp.ename||' '||var_emp.sal||' '||1.2*var_emp.sal);
dbms_output.put_line(var_emp.ename||' '||var_emp.sal||' '||(var_emp.sal+1200));
end if;
end loop;
close cur_emp;
end;
```



## 7)

```
create or replace trigger emp_enter
before insert on emp
for each row
enable
declare
valid number;
begin
select deptno into valid from emp where deptno=:new.deptno;
if valid!=10 and valid!=20 and valid!=30 and valid!=40 then
raise_application_error(-20000,'No such dept exists');
end if;
end;
```

