ASSESSMENT -5

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SQL*Plus: Release 11.2.0.1.0 Production on Thu Oct 11 13:30:35 2018

Enter user-name:17BCE2380@VITORA

Enter password:

Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production

With the Partitioning, OLAP, Data Mining and Real Application Testing options

1) Write a PL/SQL to find the greatest number among three numbers.

SQL> edit F:\PL.SQL

CODE:

```
declare
x number;
y number;
z number;
begin
x:=&x;
y:=&y;
```

```
z:=&z;
if (x>y) and (x>z) then
dbms_output.put_line('The greatest number among three numbers is: '||x);
elsif(y>x) and (y>z) then
dbms_output.put_line('The greatest number among three numbers is: '||y);
else
dbms_output.put_line('The greatest number among three numbers is: '||z);
end if;
end;
/

SQL> set serveroutput on
SQL> @ F:\PL.SQL
Enter value for x: 4
old   6: x:=&x;
new   6: x:=4;
Enter value for y: 2
old   7: y:=&y;
new   7: y:=2;
Enter value for z: 1
old   8: z:=&z;
new   8: z:=1;
The greatest number among three numbers is: 4

PL/SQL procedure successfully completed.
```

```
SQL> edit F:\PL.SQL

SQL> set serveroutput on
SQL> @ F:\PL.SQL
Enter value for x: 4
old   6: x:=&x;
new   6: x:=4;
Enter value for y: 2
old   7: y:=&y;
new   7: y:=2;
Enter value for z: 1
old   8: z:=&z;
new   8: z:=1;
The greatest number among three numbers is: 4

PL/SQL procedure successfully completed.
```

2) **Write a PL/SQL using nested block and outer variable update the salary of the employee by 5000 who's having highest experience.**

SQL> SELECT * FROM EMPLOYEE;

EMP_ID	EMP_NAME	MOBILE	SALARY	EXPERIENCE_YR
1	RIYA	9878665465	50000	4
2	ROHIT	7876543768	27000	6
3	AMIT	8765456321	50000	4
4	RAVI	6789054376	34000	8
5	NIHARIKA	5678909834	60000	5

```
SQL> SELECT * FROM EMPLOYEE;

    EMP_ID EMP_NAME       MOBILE     SALARY EXPERIENCE_YR
---------- ---------- ---------- ---------- -------------
         1 RIYA       9878665465      50000             4
         2 ROHIT      7876543768      27000             6
         3 AMIT       8765456321      50000             4
         4 RAVI       6789054376      34000             8
         5 NIHARIKA   5678909834      60000             5
```

CODE:

```
declare
exp employee.experience_yr%type;
sal employee.salary%type;
begin
select max(experience_yr) into exp from employee;
select salary into sal from employee where experience_yr=exp;
sal:=sal + 5000;
update employee set salary=sal where experience_yr=exp;
end;
/
```

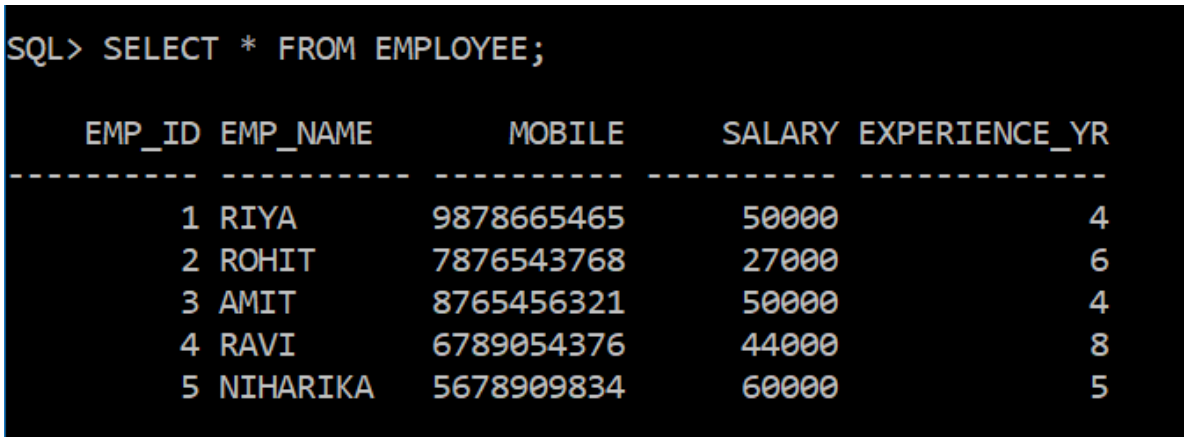
```
SQL> EDIT F:\PL2.SQL
```

```
SQL> @ F:\PL2.SQL
```

```
PL/SQL procedure successfully completed.
```

SQL> SELECT * FROM EMPLOYEE;

EMP_ID	EMP_NAME	MOBILE	SALARY	EXPERIENCE_YR
1	RIYA	9878665465	50000	4
2	ROHIT	7876543768	27000	6
3	AMIT	8765456321	50000	4
4	**RAVI**	**6789054376**	**44000**	**8**
5	NIHARIKA	5678909834	60000	5



3) Write a PL/SQL block to accept an empno and display the salary and name of the person.

```
SQL> SELECT * FROM EMPLOYEE;

    EMP_ID EMP_NAME       MOBILE     SALARY EXPERIENCE_YR
---------- ---------- ---------- ---------- -------------
         1 RIYA       9878665465      50000             4
         2 ROHIT      7876543768      27000             6
         3 AMIT       8765456321      50000             4
         4 RAVI       6789054376      44000             8
         5 NIHARIKA   5678909834      60000             5
```

CODE:

```
declare

emp employee.emp_name%type;

sal employee.salary%type;

x number;

begin

x := &x;

select emp_name, salary into emp, sal from employee where emp_id=x;

dbms_output.put_line(emp);

dbms_output.put_line(sal);

end;

/
```

```
SQL> @ F:\PL3.SQL

Enter value for x: 3

old   6: x := &x;

new   6: x := 3;

AMIT

50000
```

PL/SQL procedure successfully completed.

```
SQL> @ F:\PL3.SQL
Enter value for x: 3
old   6: x := &x;
new   6: x := 3;
AMIT
50000

PL/SQL procedure successfully completed.
```

4) **Write a PL/SQL to delete one record from the employee table.**

```
SQL> select * from employee;

    EMP_ID EMP_NAME       MOBILE     SALARY EXPERIENCE_YR
---------- ---------- ---------- ---------- -------------
         1 RIYA       9878665465      50000             4
         2 ROHIT      7876543768      27000             6
         3 AMIT       8765456321      50000             4
         4 RAVI       6789054376      44000             8
         5 NIHARIKA   5678909834      60000             5
```

```
declare

x number;

begin

x := &x;

delete from employee where emp_id=x;

commit;

end;

/
```

```
SQL> edit F:\PL3.SQL

SQL> select * from employee;

    EMP_ID EMP_NAME       MOBILE     SALARY EXPERIENCE_YR
---------- ---------- ---------- ---------- -------------
         1 RIYA       9878665465      50000             4
         2 ROHIT      7876543768      27000             6
         3 AMIT       8765456321      50000             4
         4 RAVI       6789054376      44000             8
         5 NIHARIKA   5678909834      60000             5

SQL> edit F:\PL4.SQL

SQL> @ F:\PL4.SQL
Enter value for x: 2
old   4: x := &x;
new   4: x := 2;

PL/SQL procedure successfully completed.

SQL> select * from employee;

    EMP_ID EMP_NAME       MOBILE     SALARY EXPERIENCE_YR
---------- ---------- ---------- ---------- -------------
         1 RIYA       9878665465      50000             4
         3 AMIT       8765456321      50000             4
         4 RAVI       6789054376      44000             8
         5 NIHARIKA   5678909834      60000             5
```

5) Write a PL/SQL to insert the value emp_id, name to emp table.

```
SQL> select * from employee;

    EMP_ID EMP_NAME       MOBILE     SALARY EXPERIENCE_YR
---------- ---------- ---------- ---------- -------------
         1 RIYA       9878665465      50000             4
         3 AMIT       8765456321      50000             4
         4 RAVI       6789054376      44000             8
         5 NIHARIKA   5678909834      60000             5
```

SQL> edit F:\PL5.SQL

CODE:

```
begin

insert into employee(emp_id, emp_name) values(&emp_id,'&emp_name');

commit;

end;

/
```

SQL> @ F:\PL5.SQL

```
SQL> edit F:\PL5.SQL

SQL> @ F:\PL5.SQL
Enter value for emp_id: 6
Enter value for emp_name: BIBEK
old   2: insert into employee(emp_id, emp_name) values(&emp_id,'&emp_name');
new   2: insert into employee(emp_id, emp_name) values(6,'BIBEK');

PL/SQL procedure successfully completed.

SQL> SELECT * FROM EMPLOYEE;

    EMP_ID EMP_NAME       MOBILE     SALARY EXPERIENCE_YR
---------- ---------- ---------- ---------- -------------
         1 RIYA       9878665465      50000             4
         3 AMIT       8765456321      50000             4
         4 RAVI       6789054376      44000             8
         5 NIHARIKA   5678909834      60000             5
         6 BIBEK
```