

ASSIGNMENT-4

Name: Anushka Singh

PRN: 15070121109

AIM: Write and implement PL/SQL programs using procedures.

Q1. Write and Implement PL/SQL procedure to display student's first name and last name of a given student from student table.

Ans 1.

PRN	FNAME	LNAME
1	Anisha	Alluru
2	Kajol	Agrawal
5	Tanusha	Jain
6	Anushka	Singh

```
create or replace procedure find_sname(stuid in number,fname out varchar2,lname out varchar2)
```

```
As
```

```
Begin
```

```
Select fname,lname into fname,lname from student where sid=stuid;
```

```
End;
```

```
Declare
```

```
fname varchar2(50);
```

```
lname varchar2(50);
```

```
Begin
```

```
find_sname(1,fname,lname);
```

```
Dbms_output.put_line('First Name is: ' ||fname);
```

```
Dbms_output.put_line('Last Name is: ' ||lname);
```

```
End;
```

Results	Explain	Describe	Saved SQL	History
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```
First Name is: Tanusha
```

```
Last Name is: Jain
```

Q2. Write and Implement PL/SQL procedure to compute the square of a passed value.

Ans 2.

```
create or replace procedure find_square(num in number,ans out number)

As

Begin
ans:=power(num,2);
End;

Declare

ans number;
Begin

find_square(4,ans);
Dbms_output.put_line('Square of number is: ' ||ans);
End;
```

Results	Explain	Describe	Saved SQL	History
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Square of number is: 16

Q3. Write and Implement PL/SQL procedure to find minimum number from two values.

Ans 3.

```
create or replace procedure find_min(num1 in number,num2 in number)

As

Begin
if num1>num2 then
    dbms_output.put_line('The minimum number is: '||num2);
else
    dbms_output.put_line('The minimum number is: '||num1);
end if;
end;

Begin

find_min(9,11);
End;
```

Results	Explain	Describe
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The minimum number is: 9

4. Write and Implement PL/SQL procedure remove_emp which removes a specified employee record from employee table. It should also display total no of records before and after removal.

Ans 4.

```
create or replace procedure delete_record(empid in number)
```

```
As
```

```
Begin
```

```
delete from employee where eid=empid;  
end;
```

```
Declare
```

```
ansb number;  
ansf number;  
Begin
```

```
select count(*) into ansb from employee;  
Dbms_output.put_line('Number of Employees are: ' ||ansb);  
delete_record(2);  
select count(*) into ansf from employee;  
Dbms_output.put_line('After deletion number of Employees are: ' ||ansf);  
End;
```

Results	Explain	Describe	Saved SQL	History
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Number of Employees are: 4

After deletion number of Employees are: 3

EID	ENAME	EDESIGNATION	ECOMPANY	EDOJ	ESALARY	EDEPT_NO
1	Tanusha	Manager	IBM	12/08/2019	30000	12
3	Tanima	Manager	Vodafone	09/05/2019	40000	15
4	Anisha	Sales	Veritas	08/07/2019	45000	16