

Q. Write a Procedure to accept a number from user and print

```
Create Procedure PrintUserNumber(n1 IN Number)
AS
begin
    dbms_output.put_line('passed number is '||n1);
End PrintuserNumber;

begin
    PrintuserNumber(20);
End;
```

--Procedure to accept two numbers from user and Print

```
Create Or Replace Procedure PrintUserNumber(n1 IN Number,n2 IN Number)
AS
begin
    dbms_output.put_line('passed First number is '||n1);
    dbms_output.put_line('passed second number is '||n2);

End PrintuserNumber;

begin
    PrintuserNumber(20,30);
End;
```

--Procedure to accept two numbers from user and Print

```
Create Or Replace Procedure PrintUserNumber(n1 IN Number,n2 IN Number)
AS
begin
    dbms_output.put_line('passed First number is '||n1 || ' and second Number is '||n2 );
End PrintuserNumber;

begin
    PrintuserNumber(20,30);
End;
```

```

--Procedure to accept two numbers and print its addition
Create Or Replace Procedure printAddition(n1 IN Number,n2 IN Number)
AS
result Number;
begin
    result:=n1+n2;
    dbms_output.put_line('Addition of two Numbers is ' || result );
End printAddition;

begin
    printAddition(20,30);
End;

```

Q. Write a procedure to accept two numbers from user and perform return the addition of these two numbers and result of calculation

```

--Procedure to accept two numbers and do addition and
-- return result
Create Or Replace Procedure addTwoNumbers(n1 IN Number,n2 IN Number,n3 OUT Number)
AS
begin
    n3:=n1+n2;
    --dbms_output.put_line('Addition of two Numbers is ' || n3 );
    Exception when others then
        dbms_output.put_line('Exception occurred');
End addTwoNumbers;

```

How to Call procedure?

```

declare
result number;
begin
    addTwoNumbers(20,30,result);
    dbms_output.put_line('Result is ' ||result);
End;

```

Use of "EXCEPTION WHEN OTHERS THEN" statement

While executing a program if something happens wrong then program terminate abnormally, So handle this situation we need to add above line.

If we add this line and if exception occurs then program will not terminate

Q. Write a procedure to take Employee number from user
and print employee name on console

```
--Q. Write a procedure to take Employee number from user
-- and print employee name on console
Create Or Replace Procedure PrintEmpName(n1 IN Number)
AS
p_empname varchar(250);
begin
select empname into p_empname From Employee where empno=n1;
dbms_output.put_line('Employee name is ' || p_empname );

EXCEPTION WHEN OTHERS THEN

dbms_output.put_line('Data is not available For give Employee Numbers ' || n1);

End PrintEmpName;
```

How to declare column type data?

-> To declare column type data we need to use

%TYPE

-> How to Use?

Table_name.column_name%TYPE;

Example

Employee.empname%TYPE;

Q. Write a program to accept employee number from user
and return employee name for that number

```
--Q. Write a procedure to take Employee number from user
-- and return employee name
Create Or Replace Procedure FindEmpName(p_empno IN Number,p_empname OUT Employee.empname%TYPE)
AS
begin
select empname into p_empname From Employee where empno=p_empno;

EXCEPTION WHEN OTHERS THEN

dbms_output.put_line('Data is not available For give Employee Numbers ' || p_empno);

End FindEmpName;
```

How to Call the Procedure?

```
Declare
p_empname Employee.empname%TYPE;

begin
    FindEmpName(101,p_empname);
    dbms_output.put_line(p_empname);
End;
```

--Q. Write a procedure to insert data into Employee table

```
Create Or Replace Procedure InsertEmployeeData(
p_empno IN Number,
p_empname IN Employee.empname%TYPE,
p_city IN Employee.city%TYPE,
p_dptname IN Employee.Deptname%TYPE
)
AS
begin
    insert into Employee values(p_empno,p_empname,p_city,p_dptname);
    commit;
    EXCEPTION WHEN OTHERS THEN
        dbms_output.put_line('Exception while inserting Data into table');
End InsertEmployeeData;
```

How To call?

```
begin
    InsertEmployeeData(108,'Ramesh','Mumbai','RD');
End;
```