PL/SQL LAB-1

Set serveroutput on

Edit sqltest ((to create a sql file to write the code)

```
declare

a int;

b int;

begin

a:=&a;

b:=&b;

if(a>b)then

dbms_output.put_line('a is greater'||a);

else

dbms_output.put_line('b is greater'||b);

end if;

end;

/
```

TO CREATE SQL FILE FROM CMD

Go to CMD and write ->

@sql test

1. WAP to print any statement.
   ```
   set serveroutput on
    begin
    dbms_output.put_line('=========================================');
   dbms_output.put_line('Welcome to PL/sql programming');
   dbms_output.put_line('=========================================');
   end;
   /
   ```

2. WAP to enter any two numbers and find out their sum, difference, product, quotient and remainder.

```
Set serveroutput on
Declare
no1 number(5);
no2 number(5);
s number(5);
d number(5);
p number(5);
q number(5);
rem number(5);
begin
no1:=&number1;
no2:=&number2;
S:=no1+no2;
d:=no1-no2;
p:=no1*no2;
q:=no1/no2;
rem:=mod(no1,no2);
dbms_output.put_line('Sum='||s);
dbms_output.put_line('Difference='||d);
dbms_output.put_line('Product='||p);
dbms_output.put_line('Quotient='||q);
dbms_output.put_line('Remainder='||rem);
end;
/
```

3. WAP to find out the lowest of any two numbers

```
set serveroutput on
declare
no1 number(5);
no2 number(5);
begin
no1:=&number(5);
no2:=&number(5);
if no1<=no2 then
dbms_output.put_line(no1||' is lowest');
else
dbms_output.put_line(no2||' is lowest');
end if;
end;
/
```

4. WAP to enter any number and find out whether it's positive or negative or zero

```
set serveroutput on
declare
num number(5);
begin
num:=&number;
if num>0 then
dbms_output.put_line(num||' is positive');
```

```
else if num<0 then
dbms_output.put_line(num ||' is negative');
else
dbms_output.put_line(num ||' is equal to zero');
end if;
end;
/
```

EXERCISE:
1. Write WAP to print your name, date of birth, and mobile number.
Expected Output:
Name   : Alexandra Abramov
DOB   : July 14, 1975
Mobile : 99-9999999999

2. Write WAP to compute the perimeter and area of a rectangle with a height of 7 inches and width of 5 inches.

3. Write WAP to convert specified days into years, weeks and days.
Note: Ignore leap year.

4. Write WAP of a program that accepts three integers and finds the maximum of three.
Test Data :
Input the first integer: 25
Input the second integer: 35
Input the third integer: 15
Expected Output:
Maximum value of three integers: 35

5. Write WAP of a program that accepts an employee's ID, total worked hours in a month and the amount he received per hour. Print the ID and salary (with two decimal places) of the employee for a particular month.
Test Data :
Input the Employees ID(Max. 10 chars): 0342
Input the working hrs: 8
Salary amount/hr: 15000
Expected Output:
Employees ID = 0342
Salary = U$ 120000.00