



University of Engineering & Management, Kolkata

Course: B.Tech in CSE

Semester: 5th

Paper Name: Data Base Management System Lab

Paper Code: PCCCS591

Assignment No 9

1. Write a PL/SQL program to find the largest of three numbers

```
declare
  a number;
  b number;
  c number;

begin
  a:=&a;
  b:=&b;
  c:=&c;

  if (a>b and a>c) then
    dbms_output.put_line('a is largest' || a);
  elsif (b>a and b>c) then
    dbms_output.put_line('b is largest' || b);
  else
    dbms_output.put_line('c is the largest' || c);
  endif;
end;
```

2. Write a PL/SQL program to generate reverse for given number

```
declare
    n number(4) := &n;
    s number(4) := 0;
    r number(4);
begin
    while n > 0
    loop
        r:= mod(n,10);
        s:=(s*10)+r;
        n:=trunc(n/10);
    end loop;

    dbms_output.put_line('the reverse number is');
    dbms_output.put_line(s);

end;
```

13. Write a PL/SQL program to find the factorial of a given number

```
declare
    i number(4) :=1;
    n number(4) := &n;
    f number(4) :=1;
begin
    for i in 1..n
    loop
        f:=f*i;
    end loop;

    dbms_output.put_line('factorial of a number is'|| f);
end;
```

4. Write a PL/SQL program to check whether given number is prime or not

5. Write a PL/SQL program to generate Fibonacci series upto N

6. Write a PL/SQL program for calculating sum of two numbers.

7. Write a PL/SQL program to check the given year is leap year or not

8. Find the sum of the digits of a given number

9. Check the number of vowels and consonants in a given string

10. Count odd and even digits in a number

Q. Explain the concepts of stored procedure and triggers in a database management system.