**ASSIGNMENT: 14**

**DATE:** 31/01/2019

**PROBLEM DEFINATION: WRITE A PL/SQL TO GENERATE FIBONACCI SERIES.**

**ALGORITHM:**

STEP 1: START

STEP 2: declare variables i, a, b, show

STEP 3: initialize the variables, a=0, b=1, and show =0

STEP 4: print first two terms of series

STEP 5: use loop for the following steps

STEP 6: set show = a + b

STEP 7: set a = b

STEP 8: set b = show

STEP 9: set i = i + 1

STEP 10: print the value of show

( end loop )

STEP 11: END

**SOURCE CODE:**

set serveroutput on

Declare

i number;

N NUMBER;

J NUMBER;

k NUMBER;

c number;

Begin

N:=&N;

J:=0;

k:=1;

n:=n-2;

dbms\_output.put\_line(j);

dbms\_output.put\_line(k);

for i in 1..N loop

c:=j+k;

j:=k;

k:=c;

dbms\_output.put\_line(c);

end loop;

end;

/

**OUTPUT:**

Enter value for n: 5

old 8: N:=&N;

new 8: N:=5;

0

1

1

2

3

PL/SQL procedure successfully completed.

**DISCUSSION:**

1. In UNIX system we can find the Fibonacci series by using the above source code.

2. We use “for loop” for perform the operation.