

**CS-114 - Fundamental of Programing**

**Lab Manual # 6**

**Lab Task**

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Section: B

**1. Generate the Fibonacci sequence using nested loops.**

#include <iostream>

using namespace std;

int main() {

int n;

int a;

cout << "Number of terms : ";

cin >> n;

int b = 1;

int first\_term= 0, second\_term = 1;

bool flag = true;

while(flag == true){

while (b <= n) {

cout << first\_term<< "\t";

a = first\_term + second\_term;

first\_term = second\_term;

second\_term = a;

b++;

if (b == n){

flag = false;

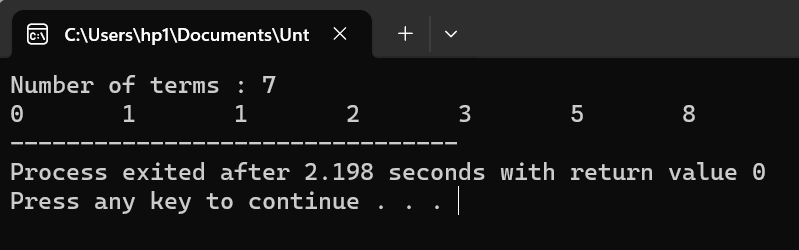
}

}

}

return 0;

}



**2. Create Floyd’s triangle with nested loops.**

#include <iostream>

using namespace std;

int main()

{

int rows, a = 1, b = 1;

cout << "Enter number of rows: ";

cin >> rows;

for (int i = 1; i <= rows; i++){

a = 1;

while (a <= i){

cout << b << "\t";

b = b + 1;

a++;

}

cout << endl;

}

return 0;

}

