**National University of Sciences and Technology (NUST)**

**Department of Mechanical Engineering (SMME)**

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**Fundamentals of Programming (FOP)**

**Lab Tasks: Lab Manual 6**

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***TASK # 1***

#include <iostream>

using namespace std;

int main() {

int n;

cout << "Enter the number of Fibonacci numbers to generate: ";

cin >> n;

int num1, num2, temp;

num1 = 0;

num2 = 1;

cout << num1 << " " << num2 << " ";

for (int i = 2; i < n; i++) {

for (int j = 0; j < i - 1; j++) {

temp = num1 + num2;

cout << temp << " ";

num1 = num2;

num2 = temp;

}

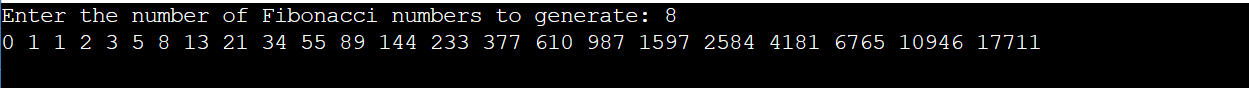
}

cout << endl;

return 0;

}

***RESULT:***



***TASK # 2***

CODE:

#include <iostream>

using namespace std;

int main(){

int numrow;

cout<<"Please enter the number of rows: ";

cin>>numrow;

int num=1;

for(int i=0;i<=numrow;i++){

for(int j=0;j<=i;j++){

cout<<num<<" ";

num++;

}

cout<<endl;

}

return 0;

}

***RESULT:***

