



NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY

CS-114-FUNDAMENTAL OF PROGRAMING LAB MANUAL # 6

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➤ **SECTION:** B

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TASK # 1

CODE:

```
#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:

```
Enter the number of Fibonacci numbers to generate: 5
0 1 1 2 3 5 8 13

-----
Process exited after 0.7474 seconds with return value 0
Press any key to continue . . .
```

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:

Please enter the number of rows: 3

1

2 3

4 5 6

7 8 9 10

Process exited after 0.6527 seconds with return value 0

Press any key to continue . . . ■