



Fundamentals of Programming

ME-15

Section B

1st Semester

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```

#include <iostream>

using namespace std;

int main () {
    int term;

    cout<<"Numbers of terms in the sequence:"<<endl;

    cin>>term;

    int num1=0, num2=1, num3;

    cout<<num1<<","<<num2<<","<<num3<<",";

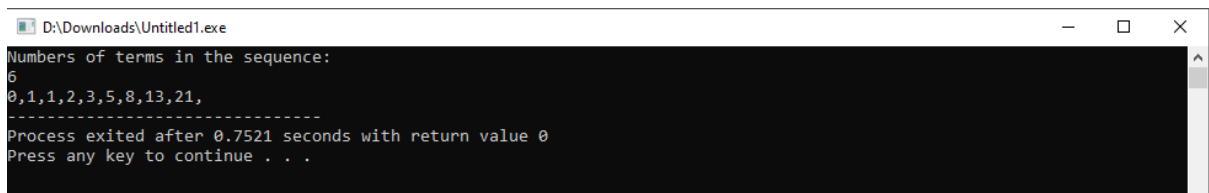
    for (int x=0; x<term; ++x) {
        num1 = num2;
        num2 = num3;
        num3 = num1 + num2;

        for (int y = 0; y<1; y++) {
        }

        cout<<num3<<",";
    }

    return 0;
}

```



```

D:\Downloads\Untitled1.exe
Numbers of terms in the sequence:
6
0,1,1,2,3,5,8,13,21,
-----
Process exited after 0.7521 seconds with return value 0
Press any key to continue . . .

```

```

int main () {
    int k=1, rows;

    cout<<"Enter number of rows:"<<endl;

    cin>>rows;

    cout<<"Floyd's Triangle:"<<endl;

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

```

```

        cout<<k<<" ";

        k++;

    }

    cout<<endl;

}

return 0;

}

```

```

D:\Downloads\Untitled1.exe
Enter number of rows:
4
Floyd's Triangle:
1
23
456
78910
-----
Process exited after 0.9464 seconds with return value 0
Press any key to continue . . .

```

```

int main () {

    for (int i=1; i<=5; i++) {

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

            cout<<j+0;

        }

        cout<<endl;

    }

    return 0;

}

```

```

D:\Downloads\Untitled1.exe
1
12
123
1234
12345
-----
Process exited after 0.0624 seconds with return value 0
Press any key to continue . . .

```

```

int main () {

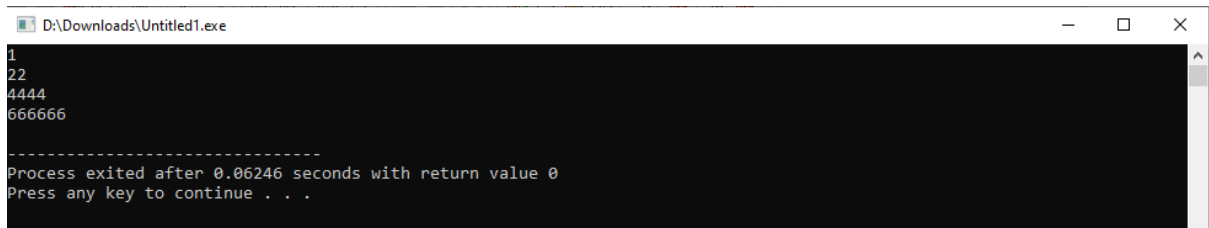
    int term = 2;

```

```

cout<<"1"<<endl;
for (int a = 1; a <= 6; a+=2) {
    for (int b = 0; b <= a; b++) {
        cout << term;
    }
    term += 2;
    cout << endl;
}
return 0;
}

```



```

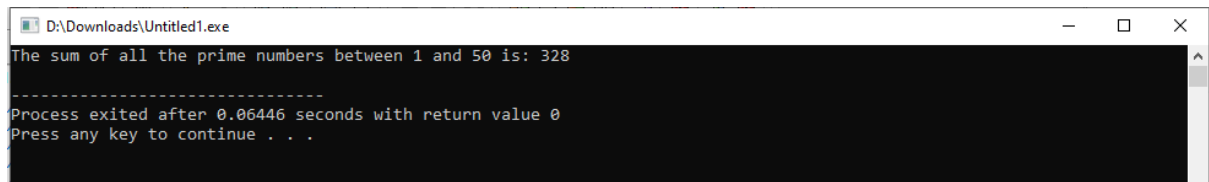
D:\Downloads\Untitled1.exe
1
22
4444
666666
-----
Process exited after 0.06246 seconds with return value 0
Press any key to continue . . .

```

```

int main () {
    int sum = 0, a, b;
    for (a = 2; a <= 50; a++) {
        bool prime = true;
        for (b = 2; b < a; b++) {
            if (a % b == 0) {
                prime = false;
                break;}}
        if (prime==true) {
            sum += a;
        }
    }
    cout << "The sum of all the prime numbers between 1 and 50 is: " << sum << endl;
    return 0;}

```



```
D:\Downloads\Untitled1.exe
The sum of all the prime numbers between 1 and 50 is: 328
-----
Process exited after 0.06446 seconds with return value 0
Press any key to continue . . .
```