



LAB MANUAL 06

Fundamental of programming



PREPARED BY:

TALHA SHAH (461075)

ME-15 A

LAB WORK:

NOVEMBER 29, 2023

NUST SCHOOL OF MECHANICAL AND MANUFACTURING ENGINEERING

TASK:01

```
// task 1

int n;

cout<<"How many terms would you like"<<endl;
cin>>n;

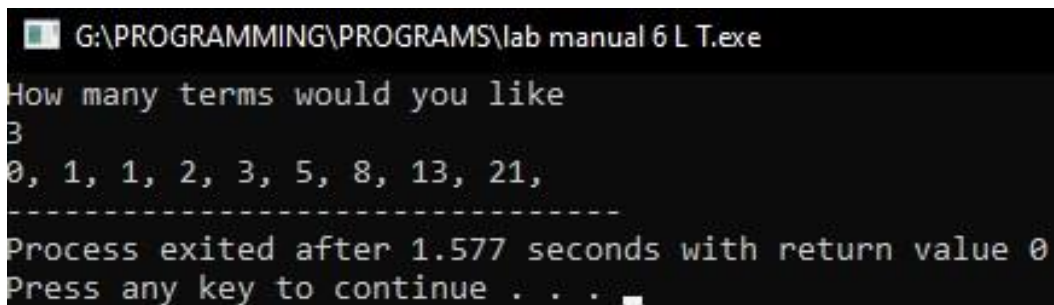
int x=1, y=0, term=0;
for ( int j=1; j<=3 ; j++ ) {

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

        cout<<term<<" , ";
        term = x + y;
        x = y;
        y = term;

    }

}
```



```
G:\PROGRAMMING\PROGRAMS\lab manual 6 L T.exe
How many terms would you like
3
0, 1, 1, 2, 3, 5, 8, 13, 21,
-----
Process exited after 1.577 seconds with return value 0
Press any key to continue . . .
```

TASK:02

```
// TASK 2

int n;
cout<<"enter no of rows"<<endl;
cin>>n;
for(int i=0;i<n;i++)
{
    int num=1;
    for(int j=0;j<n-i-1;j++)
    {
        cout<<" ";
        for(int k=0;k<=i;k++)
        {cout<<num<<" ";
        num=num*(i-k)/(k+1);
        }cout<<endl;
    }
}
```

enter no of rows

4

```
    1
  1 1
1 2 1
1 3 3 1
```

Process exited after 4.022 seconds with return value 0

Press any key to continue . . .