

# **CS-114 – Fundamental of Programing**

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## **LAB MANUAL #6**

### **Lab TASK**

#### **ME 15 Section B**

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Task 1:

Code:

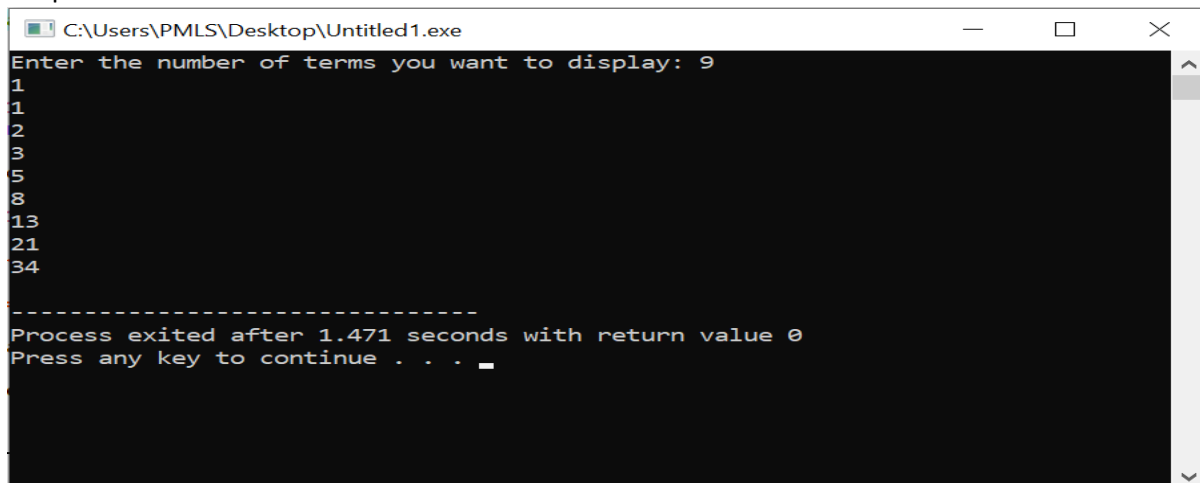
```
#include<iostream>
using namespace std;
int main()
{
    int a=0, b=1, sum=0, i=1, j=1, n=6;
    cout<<"Enter the number of terms you want to display: ";
    cin>>n;
    cout<<b<<endl;

    for(i;i<=n-1;i++)
    {
        for(j;j<=i;j++)
        {
            sum=a+b;

            if(a>b)
                b=sum;
            else
                a=sum;

            cout<<sum;
        }
        cout<<endl;
    }
}
```

Output:



The screenshot shows a Windows command prompt window titled "C:\Users\PMLS\Desktop\Untitled1.exe". The output of the program is displayed as follows:

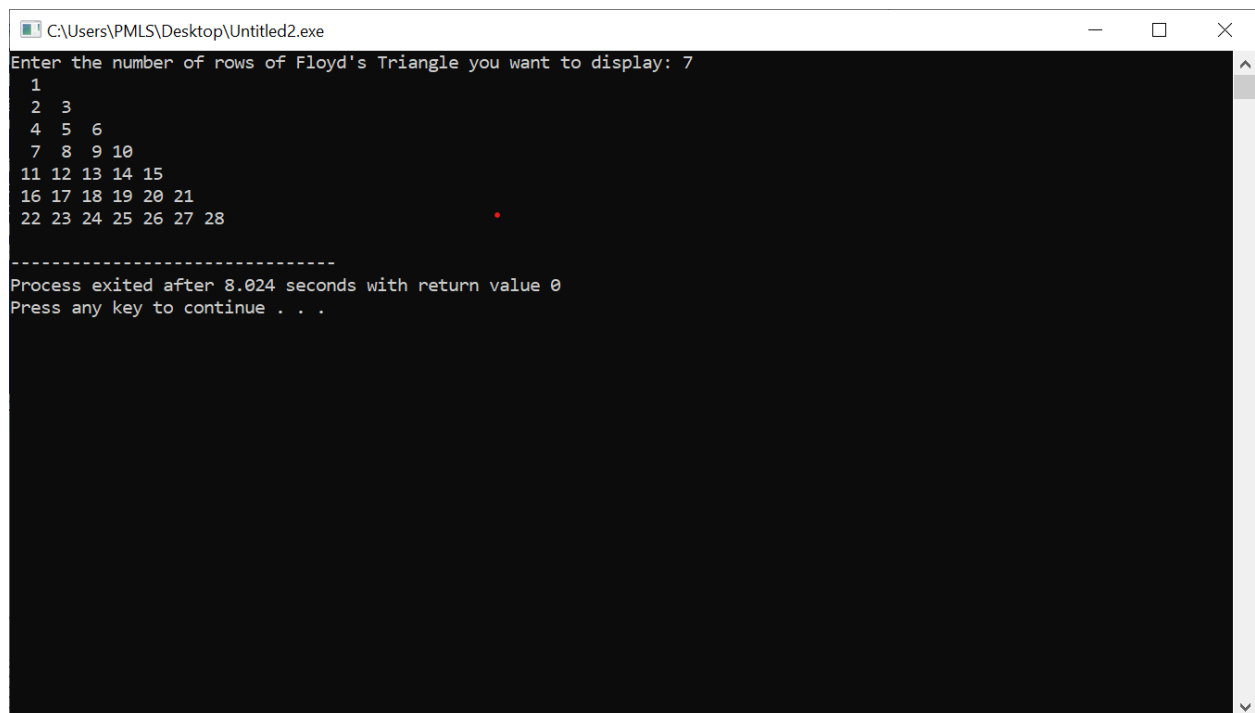
```
Enter the number of terms you want to display: 9
1
1
2
3
5
8
13
21
34
-----
Process exited after 1.471 seconds with return value 0
Press any key to continue . . .
```

Task 2:

Code:

```
#include<iostream>
#include<iomanip>
using namespace std;
int main()
{
    int n, i, j, k=1;
    cout<<"Enter the number of rows of Floyd's Triangle you want to display: ";
    cin>>n;
    for(i=1;i<=n;i++)
    {
        for(j=1;j<=i;j++)
        {
            cout<<setw(3)<<k;
            k++;
        }
        cout<<endl;
    }
}
```

Output:



```
C:\Users\PMLS\Desktop\Untitled2.exe
Enter the number of rows of Floyd's Triangle you want to display: 7
 1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21
22 23 24 25 26 27 28

-----
Process exited after 8.024 seconds with return value 0
Press any key to continue . . .
```