

## LAB ACTIVITY-1

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### 1. C++ Program:

```
#include<iostream>
using namespace std;
int m1, m2, m3, m4, total, avg;
class Student
{
public:
    Mark_1()
    {
        cout<<"Enter Mark 1:";
        cin>>m1;
    }
    Mark_2()
    {
        cout<<"Enter Mark 2:";
        cin>>m2;
    }
    Mark_3()
    {
        cout<<"Enter Mark 3:";
        cin>>m3;
    }
    Mark_4()
    {
        cout<<"Enter Mark 4:";
        cin>>m4;
    }
    Total()
    {
        total = m1+m2+m3+m4;
    }
    Average()
    {
        avg = total/4;
    }
    Result()
    {
        if(m1>60 && m2>60 && m3>60 && m4>60)
            cout<<"Pass";
        else
            cout<<"Fail";
    }
}
```

```

};
int main()
{
    int n;
    cout<<"\nEnter the No.of Students in the class:";
    cin>>n;
    for(int i=0; i<n; i++)
    {
        Student M1,M2,M3,M4,T,A,R;
        M1.Mark_1();
        M2.Mark_2();
        M3.Mark_3();
        M4.Mark_4();
        T.Total();
        A.Average();
        cout<<"\t\t\n STUDENT DETAILS \t\t\n";
        cout<<"\nMark 1:"<<m1;
        cout<<"\nMark 2:"<<m2;
        cout<<"\nMark 3:"<<m3;
        cout<<"\nMark 4:"<<m4;
        cout<<"\nTotal Mark:"<<total;
        cout<<"\nAverage Mark:"<<avg;
        cout<<"\nFinal Result:";
        R.Result();
    }
    return 0;
}

```

## OUTPUT:

```
Enter the No.of Students in the class:2
Enter Mark 1:60
Enter Mark 2:70
Enter Mark 3:80
Enter Mark 4:85

STUDENT DETAILS

Mark 1:60
Mark 2:70
Mark 3:80
Mark 4:85
Total Mark:295
Average Mark:73
Final Result:Fail
Enter Mark 1:65
Enter Mark 2:75
Enter Mark 3:85
Enter Mark 4:90

STUDENT DETAILS

Mark 1:65
Mark 2:75
Mark 3:85
Mark 4:90
Total Mark:315
Average Mark:78
Final Result:Pass

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Process exited after 20.97 seconds with return value 0
Press any key to continue . . .
```