

Practical 7: Create a 'DISTANCE' class with :

- feet and inches as data members
- member function to input distance
- member function to output distance
- member function to add two distance objects

Write a main function to create objects of DISTANCE class.

Input two distances and output the sum.

```
#include<iostream>

using namespace std;

class DISTANCE
{
    int feet,inch;

    public:

        void idist();

        void odist();

        void adist(DISTANCE d1, DISTANCE d2);

};

void DISTANCE :: idist()
{
    cout<<" Enter Distance";

    cout<<"\n Feet : ";

    cin>>feet;

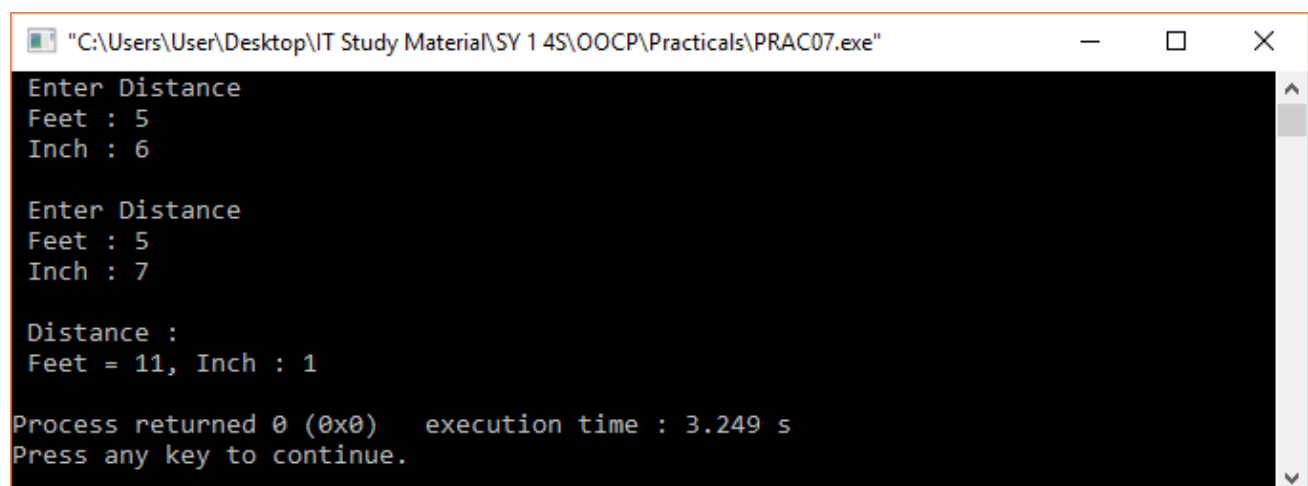
    cout<<" Inch : ";

    cin>>inch;

    cout<<endl;
```

```
}  
  
void DISTANCE :: odist()  
{    cout<<" Distance :\n Feet = "<<feet<<", Inch : "<<inch<<endl;  
}  
  
void DISTANCE :: adist(DISTANCE d1, DISTANCE d2)  
{    feet=d1.feet+d2.feet;  
      inch=d1.inch+d2.inch;  
      feet+=inch/12;  
      inch=inch%12;  
}  
  
int main()  
{    DISTANCE d1,d2,d3;  
      d1.idist();  
      d2.idist();  
      d3.adist(d1,d2);  
      d3.odist();  
      return 0;  
}
```

Output: 7



```
"C:\Users\User\Desktop\IT Study Material\SY 1 45\OOCp\Practicals\PRAC07.exe"  
Enter Distance  
Feet : 5  
Inch : 6  
  
Enter Distance  
Feet : 5  
Inch : 7  
  
Distance :  
Feet = 11, Inch : 1  
  
Process returned 0 (0x0)   execution time : 3.249 s  
Press any key to continue.
```