**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**

