1. #include<iostream>

using namespace std;

class dist

{

int f,i;

public:

dist(int a,int b)

{

f=a;

i=b;

}

dist operator - (){

f=-f;

i=-i;

return dist(f,i);

}

void display()

{

cout<<"feet:"<<f<<" inches:"<<i;

}

};

int main()

{

int a,b;

cout<<"enter feet and inches";

cin>>a>>b;

dist d(a,b);

-d;

d.display();

}

2.#include <iostream>

using namespace std;

class Distance {

public:

int feet, inch;

Distance()

{

this->feet = 0;

this->inch = 0;

}

Distance(int f, int i)

{

this->feet = f;

this->inch = i;

}

Distance operator+(Distance& d2)

{

Distance d3;

d3.feet = this->feet + d2.feet;

d3.inch = this->inch + d2.inch;

return d3;

}

};

int main()

{

Distance d1(8, 9);

Distance d2(10, 2);

Distance d3;

d3 = d1 + d2;

cout << "\nTotal Feet & Inches: " <<

d3.feet << "'" << d3.inch;

return 0;

}

3. #include<iostream>

#include<cstring>

using namespace std;

int main()

{

cout<<strlen("hello, world.\n")<<"\n";

}

//lenght=14

4. #include<iostream>

using namespace std;

int main()

{

int a = 20;

int &n = a;

n=a++;

a=n++;

cout<<a <<","<<n<<endl;

}

//output 20,20

5. #include<iostream>

using namespace std;

void sum(int,int);

void sum(float,float);

int main()

{

int a,b;

float c,d;

cout<<"enter the integer numbers";

cin>>a>>b;

cout<<"enter the float numbers"<<endl;

cin>>c>>d;

sum(a,b);

sum(c,d);

}

void sum(int a,int b)

{

int sum=a+b;

cout<<"sum of integer numbers = "<<sum<<endl;

}

void sum(float a,float b)

{

float sum=a+b;

cout<<"sum of float numbers= "<<sum<<endl;

}

/\*enter the integer numbers 5 6

enter the float numbers 4.5 6.7

sum of integer numbers = 11

sum of float numbers= 11.2\*/