# 10. PROBLEM:

Modify the ―distance‖ class by creating constructor for assigning values (feet and inches) to the distance object. Create another object and assign second object as reference variable to another object reference variable. Further create a third object which is a clone of the first object.

# SOURCECODE:

Class MYassignment

{

public int feet;

public int inch;

MYassignment(int x,int y)

{

feet=x;

inch=y;

}

MYassignment(MYassignment a)

{

feet=a.feet;

inch=a.inch;

}

public void sum(MYassignment b)

{

feet=feet+b.feet;

inch=inch+b.inch;

}

public void display()

{

System.out.println("feet: "+feet);

System.out.println("inch: "+inch);

}

}

public class Assignment10

{

public static void main(String args[])

{

MYassignment m1=new MYassignment(10,20);

MYassignment m2=new MYassignment(m1);

MYassignment m3=new MYassignment(15,25);

m3.sum(m1);

m1.display();

m2.display();

m3.display();

}

}

# OUTPUT:

feet: 10

inch: 20

feet: 10

inch: 20

feet: 25

inch: 45

# DISCUSSION:

1.Here we create class MYassignment and in main method we create two variables inch and feet and assigning both the values of the variables using constructor.

2.Here we also use copy constructor and in sum function we calculate the sum of the distance.In display function we display the distance.