# 09. PROBLEM:

Write a program to create a ―distance‖ class with methods where distance is computed in terms of feet and inches, how to create objects of a class and to see the use of this pointer.

# SOURCECODE:

class Distance

{

public int feet;

public int inch;

public Distance(int feet,int inch)

{

this.feet=feet;

this.inch=inch;

}

public void calculation()

{

int b=inch/12;

if(inch>12)

{

feet=feet+b;

inch=inch%12;

}

}

public void display()

{

System.out.println(“Distance: ”+feet+" feet " + inch+" inch");

}

}

public class CollegeAssignment

{

public static void main(String[] args)

{

Distance obj=new Distance(12,50);

obj.calculation();

obj.display();

}

}

# OUTPUT:

Distance: 16 feet 2 inch.

# DISCUSSION:

1.Here we create class distance and in main method we take two variables as inch and feet and using constructor we assigning values to the variables.

2.In calculation method we calculate the distance and in display function we show the distance.