**P1: Write a Program that displays Welcome to Java, Learning Java Now and Programming is fun.**

public class Pract1 {

public static void main(String[] args) {

System.out.println("Hello 4EC2 Class...");

}

}

**P2: Write a program that solves the following equation and displays the value x and y:  
1) 3.4x+50.2y=44.5 2) 2.1x+.55y=5.9 (Assume Cramer’s rule to solve equation  
ax+by=e x=ed-bf/ad-bc  
cx+dy=f y=af-ec/ad-bc )**

public class Pract2 {

public static void main(String[] args) {

System.out.println("Given System of Equation:");

System.out.println("1)3.4x+50.2y=44.5 \n2) 2.1x+.55y=5.9");

double a=3.4,b=50.2,c=2.1,d=0.55,e=44.5,f=5.9,x,y;

x=(e\*d-b\*f)/(a\*d-b\*c);

y=(a\*f-e\*c)/(a\*d-b\*c);

System.out.println("Solution of this system is:\nX= "+x+"\nY= "+y);

}

}

**P3: Write a program that reads a number in meters, converts it to feet, and displays the result.**

import java.util.Scanner;

public class Pract3 {

public static void main(String[] args) {

System.out.print("Enter lengh in meter = ");

Scanner input = new Scanner(System.in);

double x = input.nextDouble();

double y = x\*3.28084;

System.out.println("Lengh in feet = "+ y);

}

}

**P4: Body Mass Index (BMI) is a measure of health on weight. It can be calculated by taking your weight in kilograms and dividing by the square of your height in meters. Write a program that prompts the user to enter a weight in pounds and height in inches and displays the BMI.  
Note:- 1 pound=.45359237 Kg and 1 inch=.0254 meters.**

import java.util.Scanner;

public class Pract4 {

public static void main(String[] args) {

double w,h,bmi;

Scanner sc=new Scanner(System.in);

System.out.print("Enter the weight in pounds:");

w=sc.nextDouble()\*0.45359237;

System.out.print("Enter the height in inches:");

h=sc.nextDouble()\*0.0254;

bmi=w/(h\*h);

System.out.println("BMI = "+bmi);

}

}