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

```java
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)

```java
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.

```java
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);

      }

}