```
[[[1]]] //Welcome to java

public class Task1 {

        public static void main(String[] args) {
                System.out.println ("Welcome to Java \nWelcime to Computer
programming \nProgramming is fun");
        }
}
[[[2]]] //Welcome to Java

public class Task2 {
        public static void main(String[] args) {

                for(int i=0 ; i<5; i++)
               System.out.println ("Welcome to Java");
        }
}
[[[3]]] //Circle area

import java.util.Scanner ;

public class Task3 {
   public static void main(String[] args) {

      final double PI = 3.1416;
      double radius , area ;

      Scanner input = new Scanner (System.in);
      System.out.print("Enter radius : ");
      radius = input.nextDouble();

      if(radius>=0) {
            area = PI * radius * radius ;
            System.out.println("Area is "+area);
      }
      else
        System.out.println("Wrong input.");
    }
}
[[[4]]] //Speed

public class Task4 {
   public static void main(String[] args) {

   double distance = 14 / 1.6 ;
   double time = (45*60 + 30) / 3600.0 ;
   double speedMilesPerHour = distance / time ;
   System.out.println("Speed in miles per hour is : "+speedMilesPerHour);
```

```
   }
}
[[[5]]] //Celcius to Fahrenheit

import java.util.Scanner ;
public class Task5 {
    public static void main(String[] args) {

    Scanner input = new Scanner(System.in);
    System.out.print("Enter Celcius temperature : ");

    double celcius = input.nextDouble();
    double fahrenheit = (9/5.0)*celcius + 32;
    System.out.println("Fahrenheit temperature is : "+fahrenheit);

   }
}
[[[6]]] //Gratuity rate

import java.util.Scanner ;
public class Task5 {
   public static void main(String[] args) {

      Scanner input = new Scanner(System.in);
      System.out.print("Enter subtotal and Gratuity rate : ");

      double subtotal = input.nextDouble();
      double rate = input.nextDouble();


      rate = subtotal*rate/100;
      double total = subtotal + rate ;
      System.out.println("Gratuity is "+rate+" and Total is "+total);
   }
}
[[[7]]] //Energy

import java.util.Scanner;
public class Task7 {
     public static void main(String[] args) {

        Scanner input = new Scanner(System.in);
        System.out.print("Enter amount of water in  Kg : ");

        double amount = input.nextDouble();
        System.out.print("Enter initial and final temperature : ");

        double initialtemp = input.nextDouble();
        double finalTemp = input.nextDouble();
        double energy = amount*(finalTemp-initialtemp)*4184;
```

```
        System.out.println("Total Energy : "+energy);
   }
}
```
[[[8]]] //Length

```
import java.util.Scanner;
public class Task8 {
    public static void main(String[] args){

        Scanner input = new Scanner(System.in);
        System.out.print("Enter speed and acceleration: ");
        double speed = input.nextDouble();
        double acceleration = input.nextDouble();
        double length = (speed * speed) / (2 * acceleration);

        System.out.printf("The minimum runway length for this airplane is %.2f\n",
length);
    }
}
```
[[[9]]] //BMI

```
import java.util.Scanner;
public class Task9 {
    public static void main(String[] args) {

      Scanner input = new Scanner (System.in);
      System.out.print("Enter weight in pounds : ");

      double weight = input.nextDouble();
      weight *= 0.45359;
      System.out.print("Enter height in Centemeter : ");

      double height = input.nextDouble();
      height*= 0.0254;
      double BMI = weight /(height*height);
      System.out.print("BMI is : " +BMI);
   }
}
```
[[[10]]] //Power

```
public class Task10 {
        public static void main(String[] args) {

                System.out.println("a        b        pow(a, b)");

                for(int a = 1,b= 2 ; a <= 5 ; a++ , b++)
                System.out.println((int)a + "        " + (int)b +
                        "        " + (int)Math.pow(a, b));
        }
}
```