1. Write a Java program to print 'Hello' on screen and your name on a separate line.
2. Write a Java program to print the sum of two numbers.
3. Write a Java program to divide two numbers and print them on the screen.
4. Write a Java program to print the results of the following operations.  
   Test Data:  
   a. -5 + 8 \* 6  
   b. (55+9) % 9  
   c. 20 + -3\*5 / 8  
   d. 5 + 15 / 3 \* 2 - 8 % 3
5. Write a Java program that takes two numbers as input and displays the product of two numbers.
6. Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers.
7. Write a Java program that takes a number as input and prints its multiplication table up to 10.
8. Write a Java program to display the following pattern.  
   *Sample Pattern :*

J a v v a

J a a v v a a

J J aaaaa V V aaaaa

JJ a a V a a

1. Write a Java program to compute the specified expressions and print the output.  
   Test Data:  
   ((25.5 \* 3.5 - 3.5 \* 3.5) / (40.5 - 4.5))
2. Write a Java program to print the area and perimeter of a circle.  
   Test Data:  
   Radius = 7.5
3. Write a Java program that takes three numbers as input to calculate and print the average of the numbers.
4. Write a Java program to print the area and perimeter of a rectangle.  
   Test Data:  
   Width = 5.5 Height = 8.5
5. Write a Java program to swap two variables.
6. Write a Java program to print a face.  
   Expected Output

+"""""+

[| o o |]

| ^ |

| '-' |

+-----+

1. Write a Java program to convert an integer number to a binary number.  
   Input Data:  
   Input a Decimal Number : 5
2. Write a Java program to convert a decimal number to a hexadecimal number.  
   Input Data:  
   Input a decimal number: 15
3. Write a Java program to convert a decimal number to an octal number.  
   Input Data:  
   Input a Decimal Number: 15
4. Write a Java program to convert a binary number to a decimal number.  
   Input Data:  
   Input a binary number: 100
5. Write a Java program to compare two numbers.  
   Input Data:  
   Input first integer: 25  
   Input second integer: 39
6. Write a Java program and compute the sum of an integer's digits.  
   Input Data:  
   Input an integer: 25
7. Write a Java program to reverse a string.  
   Input Data:  
   Input a string: The quick brown fox

Write a Java program to count letters, spaces, numbers and other characters in an input string. The string is : Aa kiu, I swd skieo 236587. GH kiu: sieo?? 25.33

1. Write a Java program to print the following string in a specific format (see output).  
   *Sample Output*

Twinkle, twinkle, little star,

How I wonder what you are!

Up above the world so high,

Like a diamond in the sky.

Twinkle, twinkle, little star,

How I wonder what you are

public class Exercise11 {

// Define a constant for the radius of the circle

private static final double radius = 7.5;

public static void main(String[] args) {

// Calculate the perimeter of the circle using the constant radius

double perimeter = 2 \* Math.PI \* radius;

// Calculate the area of the circle using the constant radius

double area = Math.PI \* radius \* radius;

// Print the calculated perimeter and area

System.out.println("Perimeter is = " + perimeter);

System.out.println("Area is = " + area);

}

}

import java.util.Scanner;

public class Exercise12 {

public static void main(String[] args) {

// Create a Scanner object to read input from the user

Scanner in = new Scanner(System.in);

// Prompt the user to input the first number

System.out.print("Input first number: ");

// Read and store the first number

int num1 = in.nextInt();

// Prompt the user to input the second number

System.out.print("Input second number: ");

// Read and store the second number

int num2 = in.nextInt();

// Prompt the user to input the third number

System.out.print("Input third number: ");

// Read and store the third number

int num3 = in.nextInt();

// Prompt the user to input the fourth number

System.out.print("Input fourth number: ");

// Read and store the fourth number

int num4 = in.nextInt();

// Prompt the user to input the fifth number

System.out.print("Enter fifth number: ");

// Read and store the fifth number

int num5 = in.nextInt();

// Calculate and print the average of the five numbers

System.out.println("Average of five numbers is: " + (num1 + num2 + num3 + num4 + num5) / 5);

}

}

public class Exercise13 {

public static void main(String[] strings) {

// Define constants for the width and height of the rectangle

final double width = 5.6;

final double height = 8.5;

// Calculate the perimeter of the rectangle

double perimeter = 2 \* (height + width);

// Calculate the area of the rectangle

double area = width \* height;

// Print the calculated perimeter using placeholders for values

System.out.printf("Perimeter is 2\*(%.1f + %.1f) = %.2f \n", height, width, perimeter);

// Print the calculated area using placeholders for values

System.out.printf("Area is %.1f \* %.1f = %.2f \n", width, height, area);

}

}