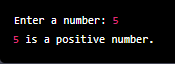
Assignmnet-1.1

Task: Program to check if a number is positive or negative using if else statement:

|  |
| --- |
| Program:  import java.util.Scanner;  public class PositiveNegative {  public static void main(String[] args) {  Scanner input = new Scanner(System.in);  System.out.print("Enter a number: ");  int num = input.nextInt();  if (num > 0) {  System.out.println(num + " is a positive number.");  }  else if (num < 0) {  System.out.println(num + " is a negative number.");  }  else {  System.out.println("You entered zero.");  }  }  } |

Output:

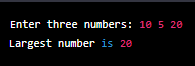


Assignmnet-1.2

Task: Program to calculate the largest of three numbers using nested if else statement:

|  |
| --- |
| Program:  import java.util.Scanner;  public class LargestNumber {  public static void main(String[] args) {  Scanner input = new Scanner(System.in);  System.out.print("Enter three numbers: ");  int num1 = input.nextInt();  int num2 = input.nextInt();  int num3 = input.nextInt();    int largest = num1;    if (num2 > largest) {  largest = num2;  }  if (num3 > largest) {  largest = num3;  }    System.out.println("Largest number is " + largest);  }  } |

Output:



Assignmnet-1.3

Task: Program to check if a character is a vowel or consonant using switch case statement:

|  |
| --- |
| Program:  import java.util.Scanner;  public class VowelOrConsonant {  public static void main(String[] args) {  Scanner input = new Scanner(System.in);  System.out.print("Enter a character: ");  char ch = input.next().charAt(0);  switch (ch) {  case 'a':  case 'e':  case 'i':  case 'o':  case 'u':  System.out.println(ch + " is a vowel.");  break;  default:  System.out.println(ch + " is a consonant.");  }  }  } |

Output:

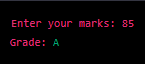


Assignmnet-1.4

Task: Program to calculate the grade of a student based on marks using if else statement:

|  |
| --- |
| Program:  import java.util.Scanner;  public class GradeCalculator {  public static void main(String[] args) {  Scanner input = new Scanner(System.in);  System.out.print("Enter your marks: ");  int marks = input.nextInt();  if (marks >= 90) {  System.out.println("Grade: A+");  }  else if (marks >= 80) {  System.out.println("Grade: A");  }  else if (marks >= 70) {  System.out.println("Grade: B");  }  else if (marks >= 60) {  System.out.println("Grade: C");  }  else if (marks >= 50) {  System.out.println("Grade: D");  }  else {  System.out.println("Grade: F");  }  }  } |

Output:



Assignmnet-1.5

Task: Program to check if a year is a leap year or not using if else statement:

|  |
| --- |
| Program:  import java.util.Scanner;  public class LeapYear {  public static void main(String[] args) {  Scanner input = new Scanner(System.in);  System.out.print("Enter a year: ");  int year = input.nextInt();  if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)) {  System.out.println(year + " is a leap year.");  }  else {  System.out.println(year + " is not a leap year.");  }  }  } |

Output:

