### Question1:

```
import java.util.Scanner;
public class question1 {
   public static void main(String[] args) {
       Scanner i1 = new Scanner(System.in);
       int n1 = i1.nextInt();
       Float sum = (float)(n1+n2), sub = (float)(n1-n2), product = (float)(n1-n2)
(float) (n1*n2), division = (float) (n1/n2);
       System.out.println("the sum is=" +sum +"\n"+ "the sub is="+sub +"\n"
```

## Output

```
C:\Users\HP\Downloads\java challanges and coding questions>javac question1.java

C:\Users\HP\Downloads\java challanges and coding questions>java question1
enter the number 1
23
enter the number 2
12
the sum is=35.0
the sub is=11.0
the product is=276.0
the division is=1.9166666

C:\Users\HP\Downloads\java challanges and coding questions>
```

#### Question 2;

```
import java.util.Scanner;
public class question1 {
   public static void main(String[] args) {
       Scanner i1 = new Scanner(System.in);
       int n1 = i1.nextInt();
       Float sum = (float)(n1+n2), sub = (float)(n1-n2), product = (float)(n1-n2)
(float) (n1*n2), division = (float) (n1/n2);
       System.out.println("the sum is=" +sum +"\n"+ "the sub is="+sub +"\n"
```

### Output:

```
C:\Users\HP\Downloads\java challanges and coding questions>javac question1.java

C:\Users\HP\Downloads\java challanges and coding questions>java question1

enter the number 1

23

enter the number 2

12

the sum is=35.0

the sub is=11.0

the product is=276.0

the division is=1.9166666

C:\Users\HP\Downloads\java challanges and coding questions>
```

### Question 3;

```
import java.util.Scanner;

public class question3 {
    //Write a program to find the side of the square whose perimeter you read from user

    public static void main(String[] args) {
        Scanner s1 = new Scanner(System.in);

        System.out.println("enter the perimeter");
        int n1= s1.nextInt();
        float sides = (float) n1/4;
        System.out.println("sides ="+sides);

    }
}
```

# Output;

```
C:\Users\HP\Downloads\java challanges and coding questions>javac question3.java
C:\Users\HP\Downloads\java challanges and coding questions>java question3
enter the perimeter
16
sides =4.0
C:\Users\HP\Downloads\java challanges and coding questions>
```

## Question4;

```
public class question4 {
    //Write a program the find the distance in yards and miles for the
    distance provided by user in feets

public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter the distance in feets: ");
        int n1 = scanner.nextInt();
        System.out.println("Enter the distance in miles= "+n1*1/3);
        System.out.println("Enter the distance in yard = "+1700*(n1*1/3));
}
```

```
}
}
```

### Output;

```
C:\Users\HP\Downloads\java challanges and coding questions>java question4.java
Enter the distance in feets:
23
Enter the distance in miles= 7
Enter the distance in yard = 11900
C:\Users\HP\Downloads\java challanges and coding questions>
```

#### Question 5

```
import java.util.Scanner;

public class question5 {
    // Write a program to input the unit price of an item and the quantity to be bought. Then, calculate the total price.
    public static void main(String[] args) {
        int burger_price = 50;
        int pizza_price = 300;
        int fries_price = 60;

        Scanner s1 = new Scanner(System.in);
        System.out.println("enter the number of burger");
        int n1 = s1.nextInt();
        System.out.println("enter the number of pizza");
        int n2 = s1.nextInt();
        System.out.println("enter the number of fries");
        int n3= s1.nextInt();

        System.out.println("the total amount =" +(burger_price*n1 + pizza_price*n2 + fries_price*n3) );
}
```

```
Microsoft Windows [Version 10.0.22631.4890]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP\Downloads\java challanges and coding questions>javac question5.java

C:\Users\HP\Downloads\java challanges and coding questions>java question5
enter the number of burger

enter the number of pizza

enter the number of fries

the total amount =950

C:\Users\HP\Downloads\java challanges and coding questions>
```

### Question6

```
import java.util.Scanner;

public class question6 {
    //Write a program to take 2 numbers and print their quotient and reminder

    public static void main(String[] args) {
            Scanner s1 = new Scanner(System.in);
            System.out.println("enter the number1");
            int n1 = s1.nextInt();
            System.out.println("enter the number2");
            int n2 = s1.nextInt();

            int remainder = n1%n2;
            int quatient = n1/n2;
            System.out.println("remainder"+remainder);
            System.out.println("quatient"+quatient);

}
```

## Output:

```
enter the number2

13
remainder12
quatient0

C:\Users\HP\Downloads\java challanges and coding questions>
```

### Question7:

```
public class question7 {
print the following integer operations
the precedence of the operators.
  public static void main(String[] args) {
              Scanner scanner = new Scanner(System.in);
               int a = scanner.nextInt();
              System.out.print("Enter value for b: ");
              System.out.print("Enter value for c: ");
               int c = scanner.nextInt();
               int result1 = a + b * c;
               System.out.println("a + b * c = " + result1);
              System.out.println("a * b + c = " + result2);
              System.out.println("a % b + c = " + result4);
              scanner.close();
```

## Output

```
C:\Users\HP\Downloads\java challanges and coding questions>javac question7.java

C:\Users\HP\Downloads\java challanges and coding questions>java question7

Enter value for a: 12

Enter value for b: 23

Enter value for c: 1

a + b * c = 35

a * b + c = 277

c + a / b = 1

a % b + c = 13

C:\Users\HP\Downloads\java challanges and coding questions>
```

#### Question8:

```
import java.util.Scanner;
```

```
public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);
    System.out.print("Enter value for a: ");
    System.out.print("Enter value for b: ");
    double b = scanner.nextDouble();
    System.out.print("Enter value for c: ");
    double c = scanner.nextDouble();
    double result1 = a + b * c;
    double result4 = a % b + c;
    System.out.println("a + b * c = " + result1);
    System.out.println("a * b + c = " + result2);
    System.out.println("c + a / b = " + result3);
    System.out.println("a % b + c = " + result4);
    scanner.close();
```

output:

```
C:\Users\HP\Downloads\java challanges and coding questions>javac question8.java
C:\Users\HP\Downloads\java challanges and coding questions>java question8
Enter value for a: 12.4
Enter value for b: 11.3
Enter value for c: 12.9
a + b * c = 158.1700000000000002
a * b + c = 153.02
c + a / b = 13.997345132743362
a * b + c = 14.0
C:\Users\HP\Downloads\java challanges and coding questions>
```