```java
package Exercise2;

import java.util.Scanner;

public class Calculation {

        // method used for addition of two numbers

        public void addition()
        {
                Scanner sc = new Scanner(System.in);

                System.out.println("Enter the first number: ");

                double n1 = sc.nextDouble();

                System.out.println("Enter the second number: ");

                double n2 = sc.nextDouble();

                double sum = n1 + n2;

                System.out.println("\nAddition of "+ n1 + " and "+ n2 + " is "+
sum);
        }

        // method used for subtraction of two numbers

        public void subtraction()
        {
                Scanner sc = new Scanner(System.in);

                System.out.println("Enter the first number: ");

                double n1 = sc.nextDouble();

                System.out.println("Enter the second number: ");

                double n2 = sc.nextDouble();

                double sub = n1 - n2;

                System.out.println("\nSubtraction of "+ n1 + " and "+ n2 + " is
"+ sub);
        }

        // method used for multiplication of two numbers

        public void multiplication()
        {
                Scanner sc = new Scanner(System.in);

                System.out.println("Enter the first number: ");
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                double n1 = sc.nextDouble();

                System.out.println("Enter the second number: ");

                double n2 = sc.nextDouble();

                double mul = n1 * n2;

                System.out.println("\nMultiplication of "+ n1 + " and "+ n2 + "
is "+ mul);
        }

        // method used for division of two numbers

        public void division()
        {
                Scanner sc = new Scanner(System.in);

                System.out.println("Enter the first number: ");

                double n1 = sc.nextDouble();

                System.out.println("Enter the second number: ");

                double n2 = sc.nextDouble();

                double div = n1 / n2;

                System.out.println("\nDivision of "+ n1 + " and "+ n2 + " is "+
div);
        }
        // method used for modulus of two numbers

        public void modulo()
        {
                Scanner sc = new Scanner(System.in);

                System.out.println("Enter the first number: ");

                int n1 = sc.nextInt();

                System.out.println("Enter the second number: ");

                int n2 = sc.nextInt();

                int mod = n1 % n2;

                System.out.println("\nMod of "+ n1 + " and "+ n2 + " is "+ mod);
        }
        // method used for finding square root of a number

        public void sqroot()
        {
                Scanner sc = new Scanner(System.in);
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            System.out.println("Enter the first number: ");

            long n1 = sc.nextLong();

            double sqr = Math.sqrt(n1);

            System.out.println("Square root of "+ n1 + " is "+ sqr);
    }

    public static void main(String[] args) {

            Calculation c = new Calculation(); // created object of the
class to access non-static methods

            int ch;

            x: do {

            System.out.println("\n-------------------------- Nitin's
Calculator --------------------------");


System.out.println("------------------------------------------------------------
---------------");

            Scanner sc = new Scanner(System.in);

            System.out.println("\nEnter your choice ..... \n\n1. Addititon
\n2. Subtraction \n3. Multiplication \n4. Division \n5. Modulo \n6. Square
root");

            System.out.println();

            ch = sc.nextInt(); // taking input from the user

            switch(ch)  // based on user input performing operations
            {
                case 1:

                        c.addition();  // performs addition
                        break;

                case 2:

                        c.subtraction();  // performs subtraction
                        break;

                case 3:

                        c.multiplication();  // performs multiplication
                        break;

                case 4:
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                        c.division();  // performs division
                        break;

                case 5:

                        c.modulo();   // performs modulus
                        break;

                case 6:

                        c.sqroot();   // finds square root
                        break;

                default:

                        System.out.println("Invalid choice. \nPlease
choose a correct option.");

            }

            System.out.println("\nDo you want to continue? (yes/no)");

            String ans = sc.next();

            if(ans.equalsIgnoreCase("no"))
            {
                    break x;
            }

            }while(ch != 0);

            System.out.println("\nThanks for using Nitin's Calculator. Have
a good day!");
        }

}
```