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package phasel.practiceProjects;
import java.util.Scanner;
public class Calculator {
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);

        while(true)
        {
            System.out.println("\nChoose an operation :");
            System.out.println("1. Addition");
            System.out.println("2. Subtraction");
            System.out.println("3. Multiplication");
            System.out.println("4. Division");
            System.out.println("5. Exit");

            int n = sc.nextInt();

            if(n == 5)
            {
                System.out.println("Calculator ended");
                break;
            }

            System.out.print("Enter first number: ");
            double n1 = sc.nextDouble();
            System.out.print("Enter second number: ");
            double n2 = sc.nextDouble();

            switch(n)
            {
                case 1:
                    System.out.println(n1+" + "+n2+" = "+(n1 + n2));
                    break;
                case 2:
                    System.out.println(n1+" - "+n2+" = "+(n1 - n2));
                    break;
                case 3:
                    System.out.println(n1+" * "+n2+" = "+(n1 * n2));
                    break;
                case 4:
                    if(n2==0)
                        System.out.println("Can not divide by zero");
                    else
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        System.out.println(n1+" / "+n2+" = "+(n1 / n2));
        break;
    default:
        System.out.println("Enter a valid option");
    }
}
sc.close();
}
```