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Code:

```
 package project1;
import java.util.Scanner;
 class Computation {
          Scanner sc=new Scanner(System.in);
               int a,b;


                    public void add() {
    System.out.println("Enter two numbers");
    a=sc.nextInt();
    b=sc.nextInt();
    System.out.println("Addition of two numbers is"+(a+b));
    }


                    public void subtract()
                    {
                              System.out.println("Enter two numbers");
                              a=sc.nextInt();
                              b=sc.nextInt();
                              System.out.println("Subtraction  of two numbers is"+(a-b));

                    }
                    public void multiply()
                    {
                              System.out.println("Enter two numbers");
                              a=sc.nextInt();
                              b=sc.nextInt();
                              System.out.println("Subtraction  of two numbers is"+(a*b));

                    }

                    public void division()
                    {
                              System.out.println("Enter two numbers");
                              a=sc.nextInt();
                              b=sc.nextInt();
```

```
                System.out.println("Subtraction  of two numbers is"+(a/b));

        }
        public void factorial() {
                System.out.println("Enter  the number");
                int no=sc.nextInt();
                int fact=1;
                for(int i=1;i<no;i++) {
                        fact=fact*i;
                }
                System.out.println("fact is :"+fact);



        }


}
 public class Calculator{
        public static void main(String[]args) {

                Scanner sc=new Scanner(System.in);
                Computation comp= new Computation();
                int choice;
                String ans="yes";

                do {
                        System.out.println("1.Addition2.Substraction\n3.
multiply\n4.division\n5.fact");
                        System.out.println("Enter your choice");
                        choice=sc.nextInt();
                        switch(choice)
                        {

                        case 1:comp.add();
                        break;
                        case 2:comp.subtract();
                        break;
                        case 3:comp.multiply();
                        break;
                        case 4:comp.division();
                        break;
                        case 5 :comp.factorial();
```

```
                        break;




                        }
                        System.out.println("do you want to continue-yes or no");
                        ans=sc.next();


                }while(ans.equals("yes"));



        }
}
```

Output:

```
1.Addition2.Substraction
3. multiply
4.division
5.fact
Enter your choice
5
Enter  the number
6
fact is :120
do you want to continue-yes or no
yes
1.Addition2.Substraction
3. multiply
4.division
5.fact
Enter your choice
2
Enter two numbers
2
4
Subtraction  of two numbers is-2
do you want to continue-yes or no
no
```