

```
1 import java.io.*;
2
3
4
5 public class Calculators {
6     public void add () {
7         try {
8             int a,b;
9             Scanner sc=new Scanner(System.in);
10            System.out.println("-*****Addition of numbers*****-");
11            System.out.println("Enter the value of a");
12            a=sc.nextInt();
13            System.out.println("Enter the value of b");
14            b=sc.nextInt();
15            int add=a+b;
16            System.out.println("Added value is "+add);
17        }
18        catch(Exception ex)
19        {
20            System.out.println("Excpetion raised"+ex);
21            System.out.println("Please enter valid input");
22        }
23    }
24    public void subtract()
25    {
26        try {
27            int a,b;
28            System.out.println("-*****Subtraction of numbers*****-");
29            Scanner sc=new Scanner(System.in);
30            System.out.println("Enter the value of a");
31            a=sc.nextInt();
32            System.out.println("Enter the value of b");
33            b=sc.nextInt();
34            int sub=a-b;
35            System.out.println("Subtracted value is "+sub);
36        }
37        catch(Exception ex)
38        {
39            System.out.println("Excpetion raised"+ex);
40            System.out.println("Please enter valid input");
41        }
42    }
43    public void mutiply()
44    {
45        try {
46            int a,b;
47            System.out.println("-*****Multiplication of numbers*****-");
48            Scanner sc=new Scanner(System.in);
49            System.out.println("Enter the value of a");
50            a=sc.nextInt();
51            System.out.println("Enter the value of b");
52            b=sc.nextInt();
53            int mul=a*b;
54            System.out.println("Multiplied value is "+mul);
55        }
56        catch(Exception ex)
57        {
58            System.out.println("Excpetion raised"+ex);
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```
59         System.out.println("Please enter valid input");
60     }
61 }
62 public void divide()
63 {
64     try {
65         int a,b;
66         System.out.println("-*****Division of numbers*****-");
67         Scanner sc=new Scanner(System.in);
68         System.out.println("Enter the value of a");
69         a=sc.nextInt();
70         System.out.println("Enter the value of b");
71         b=sc.nextInt();
72         int div=a/b;
73         System.out.println("Divided value is "+div);
74     }
75     catch(Exception ex)
76     {
77         System.out.println("Excpetion raised"+ex);
78         System.out.println("Please enter valid input");
79     }
80 }
81 public void modulus()
82 {
83     try {
84         int a,b;
85         System.out.println("-*****Modulus of numbers*****-");
86         Scanner sc=new Scanner(System.in);
87         System.out.println("Enter the value of a");
88         a=sc.nextInt();
89         System.out.println("Enter the value of b");
90         b=sc.nextInt();
91         int mod=a%b;
92         System.out.println("Modulo value is "+mod);
93     }
94     catch(Exception ex)
95     {
96         System.out.println("Excpetion raised"+ex);
97         System.out.println("Please enter valid input");
98     }
99 }
100 public static void main(String args[])
101 {
102     System.out.println("Added");
103     Calculators cal=new Calculators();
104     Scanner sc1=new Scanner(System.in);
105     //cal.add();
106     //cal.subtract();
107     //cal.divide();
108     //cal.modulus();
109     //cal.mutiply();
110     int choice=0;
111     do
112     {
113         System.out.println("Select your choice");
114         System.out.println("1.Add");
115         System.out.println("2.Subtract");
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116         System.out.println("3.Divide");
117         System.out.println("4.Multiply");
118         System.out.println("5.Modulos");
119         System.out.println("6.Exit");
120         choice=sc1.nextInt();
121         switch(choice)
122         {
123             case 1:cal.add();
124             break;
125             case 2: cal.subtract();
126             break;
127             case 3: cal.divide();
128             break;
129             case 4: cal.mutiply();
130             break;
131             case 5:cal.modulus();
132             break;
133             case 6:
134                 System.out.println("Than you for using calculator");
135                 System.exit(0);
136         }
137     }
138     while(true);
139 }
140
141 }
142
```