

Program to implement simple functionality of a calculator

```
import java.io.*;
class calc
{
    public static void main(String arg[])
    {
        int a=0,b=0,c=0,ans,p=0;
        DataInputStream ins;
        ins=new DataInputStream(System.in);
        System.out.println("1:Addition");
        System.out.println("2:Subtraction");
        System.out.println("3:Multiplication");
        System.out.println("4:Division");
        System.out.println("5:Modulo");
        do
        {
            try
            {
                System.out.print("Enter 1st no. ");
                a=Integer.parseInt(ins.readLine());
                System.out.print("Enter 2nd no. ");
                b=Integer.parseInt(ins.readLine());
                System.out.print("Enter ur choice ");
                c=Integer.parseInt(ins.readLine());
            }
            catch(IOException e)
```

```
{ }  
switch(c)  
{  
    case 1:ans=a+b;  
        System.out.println("Ans is "+ans);  
        break;  
    case 2:ans=a-b;  
        System.out.println("Ans is "+ans);  
        break;  
    case 3:ans=a*b;  
        System.out.println("Ans is "+ans);  
        break;  
    case 4:ans=a/b;  
        System.out.println("Ans is "+ans);  
        break;  
    case 5:ans=a%b;  
        System.out.println("Ans is "+ans);  
        break;  
    default:  
        System.out.println("Enter valid choice");  
    }  
try  
{  
    System.out.println("Enter 1 if u want to continue ");  
    p=Integer.parseInt(ins.readLine());  
}
```

```
    catch(IOException e)
    {
    }
}
while(p==1);
}
}
```

Output:

```
C:\Documents and Settings\Administrator\Desktop\java\7-08c>javac calc.java
Note: calc.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

C:\Documents and Settings\Administrator\Desktop\java\7-08c>java calc
1:Addition
2:Subtraction
3:Multiplication
4:Division
5:Modulo
Enter 1st no. 3
Enter 2nd no. 4
Enter ur choice 2
Ans is -1
Enter 1 if u want to continue
1
Enter 1st no. 5
Enter 2nd no. 7
Enter ur choice 3
Ans is 35
Enter 1 if u want to continue
```