Arithmetic Calculator Program:→

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☑Java programs - Java - com.simplilearn.method/src/Assesment/Calculator.java - Eclipse
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             - -
                                                                                                                                         1 package Assesment;
2 import java.util.Scanner;
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      ⊡ 🧬 com.simplilearn.method
                Src

Assesment

Calculator.java
               ### Specific Class Calculator |

### Discrete Company | Public Class Calculator |

### Public Class Calculator |

### Discrete Company | Public Cl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           @
<u>@</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ▣
                                                                                                                                                                                       System.out.println("make you selection");
System.out.println("1.Addition");
System.out.println("2.Substraction");
System.out.println("3.Division");
System.out.println("4.Nultiplication");
                                                                                                                                                                                       selection=scan.nextInt();
                                                                                                                                                                                         c=a+b;
System.out.println("Addition is "+c);
                                                                                                                                                                                         else if(selection==2){
                                                                                                                                                                                         c=a-b;
System.out.println("Substraction is "+c);
                                                                                                                                                                                     case in(selection==3){
   try{
   c=a/b;
System.out.println("Division is "+c);
}
                                                                                                                                                                                        else if(selection==3){
                                                                                                                                                                                                    catch (Exception e){
   System.out.println("Can not devide by zero");
                                                                                                                                                                                                    }
                                                                                                                                                                                         else if(selection==4){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Smart Insert 14:42
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                                                                                                                                                                   selection=scan.nextInt();
   ⊞ ■ JRE System Library [JavaSE-1.8]
                                             if(selection==1){
                                                                                                                                                                         c=a+b;
System.out.println("Addition is "+c);
                                                                                                                                                                         else if(selection==2){
                                             c=a-b;
System.out.println("Substraction is "+c);
                                             }
else if(selection==3){
   try{
   c=a/b;
   System.out.println("Division is "+c);
}
                                               catch (Exception e){
    System.out.println("Can not devide by zero");
}
                                             else if(selection==4){
                                             c=a*b;
System.out.println("Multiplication is "+c);
                                             )
else
                                             l
System.out.println("you choosen wrong option");
                                  48
49 }
50
51
                                     4
                                                                                                                     Smart Insert 14:42
```

1. Addition

```
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                                             1 package Assesment;
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                                                                                                                                  <terminated> Calculator [Java Application] C:\(\text{Program Files\}\)Java\\(\text{jdkl.8.0.211\}\)bin\\(\text{javaw.exe}\) (Aug 16, 2021, 10:39:27 A Please enter any two numbers:
                                                    import java.util.Scanner;
    □ ∰ src
□ ∰ Assesment
                                             5 public class Calculator{
60 public static void main(String[] args){
7 Scanner scanner(System.in);
8 int a,b,c;selection;
9 System.out.println("Please enter any two numbers:");
10 a=scan.nextInt();
11 b=scan.nextInt();
                                                                                                                                   87
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     make you selection
1.Addition
2.Substraction
3.Division
4.Multiplication
                                                                                                                                                                                                                                             0
                                                              System.out.println("make you selection");
System.out.println("1.Addition");
System.out.println("2.Substraction");
System.out.println("3.Division");
System.out.println("4.Nultiplication");
                                                               selection=scan.nextInt();
                                                               if(selection==1){
                                                                c=a+b;
System.out.println("Addition is "+c);
                                                                                                                                                                                                                                      P
                                                                                                                                  4
                                                               else if(selection==2){
                                                                c=a-b;
System.out.println("Substraction is "+c);
                                                               else if(selection==3){
                                                               try{
c=a/b;
System.out.println("Division is "+c);
                                                                   catch (Exception e){
    System.out.println("Can not devide by zero");
}
                                                                                                                                                                                                                                   P
                                                               else if(selection==4){
```

2. Subtraction:→

```
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                                                                                                                                       <terminated> Calculator [Java Application] C:\Program Files\Java\jdk1.8.0_211\bin\javaw.exe (Aug 16, 2021, 10:41:11 A
    import java.util.Scanner;
                                                   public class Calculator{
   public static void main(String[] args){
        Scanner scannew Scanner(System.in);
        int a,b,c,selection;
        System.out.println("Please enter any two numbers:");
        ascan.nextInt();
}
      make you selection
1.Addition
2.Substraction
3.Division
4.Multiplication
                                                                                                                                                                                                                                                    0
                                                                 System.out.println("make you selection");
System.out.println("1.Addition");
System.out.println("2.Substraction");
System.out.println("3.Division");
System.out.println("4.Nultiplication");
                                                                                                                                       Substraction is -1328
                                                                 if(selection==1){
                                                                  c=a+b;
System.out.println("Addition is "+c);
                                                                                                                                                                                                                                              ▼
}
                                                                 }
else if(selection==2){
c=a-b;
System.out.println("Substraction is "+c);
                                                                                                                                      4
                                                                 else if(selection==3){
                                                                 try{
c=a/b;
                                                                 System.out.println("Division is "+c);
                                                                      catch (Exception e)
{
    System.out.println("Can not devide by zero");
                                                                 else if(selection==4){
                                                                                                                                                                                                                                          Þ
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3. Division →

```
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                                                      import java.util.Scanner;
    □ ∰ src
□ ∰ Assesment
                                               5 public class Calculator{
60 public static void main(String[] args){
7 Scanner scanner(System.in);
8 int a,b,c;selection;
9 System.out.println("Please enter any two numbers:");
10 a=scan.nextInt();
11 b=scan.nextInt();
                                                                                                                                       5865
            🗷 💹 Calculator.java
     make you selection
1.Addition
2.Substraction
3.Division
4.Multiplication
                                                                                                                                                                                                                                                     0
                                                                System.out.println("make you selection");
System.out.println("1.Addition");
System.out.println("2.Substraction");
System.out.println("3.Division");
System.out.println("4.Nultiplication");
                                                                                                                                       Division is 651
                                                                 selection=scan.nextInt();
                                                                  c=a+b;
System.out.println("Addition is "+c);
                                                                                                                                                                                                                                             P
                                                                                                                                      4
                                                                  else if(selection==2){
                                                                 c=a-b;
System.out.println("Substraction is "+c);
                                                                case in(selection==3){
    try{|
    c=a/b;
System.out.println("Division is "+c);
}
                                                                 else if(selection==3){
                                                                     catch (Exception e){
    System.out.println("Can not devide by zero");
}
                                                                 else if(selection==4){
                                                                                                                                                                                                                                           T
```

4. Multiplication →

```
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                                                                                                                                        <terminated> Calculator [Java Application] C:\Program Files\Java\jdk1.8.0_211\bin\javaw.exe (Aug 16, 2021, 10:44:35 A
    import java.util.Scanner;
                                                   public class Calculator{
60    public static void main(String[] args){
7         Scanner scanner Scanner(System.in);
8         int a,b,c,selection;
9         System.out.println("Please enter any two numbers:");
10         asscan.nextInt();
11         b=scan.nextInt();
     make you selection
1.Addition
2.Substraction
3.Division
4.Multiplication
                                                                                                                                                                                                                                                        0
                                                                 System.out.println("make you selection");
System.out.println("1.Addition");
System.out.println("2.Substraction");
System.out.println("3.Division");
System.out.println("4.Nultiplication");
                                                                                                                                        Multiplication is 3267
                                                                  if(selection==1){
                                                                   c=a+b;
System.out.println("Addition is "+c);
                                                                                                                                                                                                                                                 ▼
}
                                                                  }
else if(selection==2){
c=a-b;
System.out.println("Substraction is "+c);
                                                                                                                                        4
                                                                  else if(selection==3){
                                                                 else if(Selection 5,)
    try{
c=a/b;
System.out.println("Division is "+c);
                                                                     catch (Exception e){
   System.out.println("Can not devide by zero");
                                                                  else if(selection==4){
                                                                                                                                                                                                                                              ₩
```

5. Wrong selection →

```
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                                                     package Assesment;
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                                                                                                                                    <terminated> Calculator [Java Application] C:\(\text{Program Files\}\)Java\\(\text{jdkl.8.0.211\}\)bin\\(\text{javaw.exe}\) (Aug 16, 2021, 10:46:21 A Please enter any two numbers:
     import java.util.Scanner;
                                              5 public class Calculator{
60 public static void main(String[] args){
7 Scanner scanner(System.in);
8 int a,b,c;selection;
9 System.out.println("Please enter any two numbers:");
10 a=scan.nextInt();
11 b=scan.nextInt();
                                                                                                                                    5625
            🗷 💹 Calculator.java
     make you selection
1.Addition
2.Substraction
3.Division
4.Multiplication
                                                                                                                                                                                                                                                0
                                                               System.out.println("make you selection");
System.out.println("1.Addition");
System.out.println("2.Substraction");
System.out.println("3.Division");
System.out.println("4.Nultiplication");
                                                                                                                                    you choosen wrong option
                                                                selection=scan.nextInt();
                                                                c=a+b;
System.out.println("Addition is "+c);
                                                                                                                                                                                                                                        Þ
                                                                                                                                   4
                                                                else if(selection==2){
                                                                c=a-b;
System.out.println("Substraction is "+c);
                                                                else if(selection==3){
                                                                else If(selection==3){
    try{
    c=a/b;
System.out.println("Division is "+c);
                                                                    catch (Exception e){
   System.out.println("Can not devide by zero");
                                                                    }
                                                                                                                                                                                                                                     P
                                                                else if(selection==4){
```

6. Output of Exception handling:→

```
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| System.out.println("2.Substraction");
| System.out.println("3.Division");
| System.out.println("4.Multiplication");
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             50
                                                                                                                                                                     selection=scan.nextInt();
               ⊞- ■ JRE System Library [JavaSE-1.8]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        if(selection==1){
                                                                                                                                                                                                                                                                                                                                                  make you selection
1.Addition
2.Substraction
3.Division
4.Multiplication
                                                                                                                                                                      c=a+b;
System.out.println("Addition is "+c);
                                                                                                                                                                       else if(selection==2){
                                                                                                                                                                       c=a-b;
System.out.println("Substraction is "+c);
                                                                                                                                                                       else if(selection==3){
                                                                                                                                                                    cise if(selection==3){
    try{
    c=a/b;
System.out.println("Division is "+c);
}
                                                                                                                                                                                catch (Exception e){
   System.out.println("Can not devide by zero");
}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Þ
                                                                                                                                                                       else if(selection==4){
                                                                                                                                                                      c=a*b;
System.out.println("Multiplication is "+c);
                                                                                                                                                                        else
                                                                                                                                                                       l
System.out.println("you choosen wrong option");
                                                                                                                             48
49 }
50
51
```