

APEX CLASS CODE

```
public class Calculator {  
    public Double xvalue {get;set;}  
    public Double yvalue {get;set;}  
    public Double result {get;set;}  
    public string operation {get;set;}
```

```
  
    public pagereference sub() {  
        result = xvalue-yvalue;  
        operation = 'Subtraction';  
        return null;  
    }
```

```
    public pagereference add() {  
        result = xvalue+yvalue;  
        operation = 'Addition';  
        return null;  
    }
```

```
  
    public pagereference mul() {  
        result = xvalue*yvalue;  
        operation = 'Multiplication';  
        return null;  
    }
```

```
    public pagereference div() {  
        result = xvalue/yvalue;  
        operation = 'Division';  
        return null;  
    }
```

```
}
```

APEX PAGE CODE

```
<apex:page controller="Calculator" sidebar="false" >

  <apex:form >

    <apex:pageBlock title="Calculator">

      <apex:pageBlockSection columns="1" title="Mathematical Operations" collapsible="false">

        <apex:pageBlockSectionItem >

          <apex:outputLabel >Enter X value </apex:outputLabel>

          <apex:inputText value="{!xvalue}"/>

        </apex:pageBlockSectionItem>

        <apex:pageBlockSectionItem >

          <apex:outputLabel >Enter Y value </apex:outputLabel>

          <apex:inputText value="{!yvalue}"/>

        </apex:pageBlockSectionItem>

        <apex:pageBlockSectionItem >

          <apex:outputLabel >Result </apex:outputLabel>

          <apex:inputText value="{!result}"/>

        </apex:pageBlockSectionItem>

        <apex:pageBlockSectionItem >

          <apex:outputLabel > You have performed {!operation} of {!xvalue} and {!yvalue}.

          </apex:outputLabel>

        </apex:pageBlockSectionItem>

        <apex:pageBlockSectionItem >

          <apex:commandButton value="Addition" action="{!add}"/>

        </apex:pageBlockSectionItem>

        <apex:pageBlockSectionItem >

          <apex:commandButton value="Subtraction" action="{!sub}"/>

        </apex:pageBlockSectionItem>

        <apex:pageBlockSectionItem >

          <apex:commandButton value="Multiplication" action="{!mul}"/>

        </apex:pageBlockSectionItem>

      </apex:pageBlockSection>

    </apex:pageBlock>

  </apex:form>

</apex:page>
```

```
</apex:pageBlockSectionItem>

<apex:pageBlockSectionItem >

    <apex:commandButton value="Division" action="{!div}"/>

</apex:pageBlockSectionItem>

</apex:pageBlockSection>

</apex:pageBlock>

</apex:form>

</apex:page>
```

OUTPUT

1. ADDITION

Calculator	
Mathematical Operations	
Enter X value	<input type="text" value="25.0"/>
Enter Y value	<input type="text" value="10.0"/>
Result	<input type="text" value="35.0"/>
You have performed Addition of 25.0 and 10.0.	
<input type="button" value="Addition"/>	
<input type="button" value="Subtraction"/>	
<input type="button" value="Multiplication"/>	
<input type="button" value="Division"/>	

2. SUBTRACTION

Calculator	
Mathematical Operations	
Enter X value	<input type="text" value="15.0"/>
Enter Y value	<input type="text" value="10.0"/>
Result	<input type="text" value="5.0"/>
You have performed Subtraction of 15.0 and 10.0.	
<input type="button" value="Addition"/>	
<input type="button" value="Subtraction"/>	
<input type="button" value="Multiplication"/>	
<input type="button" value="Division"/>	

3. MULTIPLICATION

Calculator	
Mathematical Operations	
Enter X value	<input type="text" value="15.0"/>
Enter Y value	<input type="text" value="10.0"/>
Result	<input type="text" value="150.0"/>
You have performed Multiplication of 15.0 and 10.0.	
<input type="button" value="Addition"/>	
<input type="button" value="Subtraction"/>	
<input type="button" value="Multiplication"/>	
<input type="button" value="Division"/>	

4. DIVISION

Calculator	
Mathematical Operations	
Enter X value	<input type="text" value="15.0"/>
Enter Y value	<input type="text" value="10.0"/>
Result	<input type="text" value="1.5"/>
You have performed Division of 15.0 and 10.0.	
<input type="button" value="Addition"/>	
<input type="button" value="Subtraction"/>	
<input type="button" value="Multiplication"/>	
<input type="button" value="Division"/>	