## Atharva.apxc

```
public class Atharva {
  public Decimal num1 { get; set; }
  public Decimal num2 { get; set; }
  public Decimal result { get; set; }
  public String operation { get; set; }
  public List<SelectOption> operations { get; set; }
  // Constructor
  public Atharva() {
     num1 = 0;
     num2 = 0:
     result = 0;
     operation = ";
     operations = new List<SelectOption>();
     operations.add(new SelectOption(", 'Select Operation'));
     operations.add(new SelectOption('add', 'Addition'));
     operations.add(new SelectOption('subtract', 'Subtraction'));
     operations.add(new SelectOption('multiply', 'Multiplication'));
     operations.add(new SelectOption('divide', 'Division'));
  }
  // Method to calculate based on selected operation
  public void calculate() {
     if (operation == 'add') {
       result = num1 + num2;
     } else if (operation == 'subtract') {
       result = num1 - num2;
     } else if (operation == 'multiply') {
        result = num1 * num2;
     } else if (operation == 'divide' && num2 != 0) {
       result = num1 / num2;
     } else {
       result = null;
     }
  }
  // Method to clear inputs
```

```
public void clear() {
    num1 = 0;
    num2 = 0;
    result = 0;
    operation = ";
}
```

## Atharva.vfp

```
<apex:page controller="Atharva">
  <apex:form id="calculatorForm">
     <apex:pageBlock title="Simple Calculator" id="calcPageBlock">
       <apex:pageBlockSection columns="2">
          <apex:inputText label="Number 1" value="{!num1}" required="true"/>
          <apex:inputText label="Number 2" value="{!num2}" required="true"/>
          <apex:selectList value="{!operation}" label="Operation" size="1">
            <apex:selectOptions value="{!operations}"/>
          </apex:selectList>
                    <apex:commandButton action="{!calculate}" value="Calculate"
rerender="resultBlock"/>
                           <apex:commandButton action="{!clear}" value="Clear"
rerender="resultBlock"/>
       </apex:pageBlockSection>
       <apex:pageBlockSection title="Result" id="resultBlock">
                                     <apex:outputText value="Result: {!result}"
rendered="{!NOT(ISNULL(result))}"/>
                        <apex:outputText value="Error: Cannot divide by zero"
rendered="{!ISNULL(result) && operation == 'divide' && num2 == 0}"/>
       </apex:pageBlockSection>
     </apex:pageBlock>
  </apex:form>
</apex:page>
```



