Calculator :

```
public class MathCalculatorController {
    public Decimal num1 { get; set; }
    public Decimal num2 { get; set; }
    public Decimal result { get; set; }

    // Method to perform addition
    public void add() {
        result = num1  + num2 ;
    }

    // Method to perform subtraction
    public void subtract() {
        result = num1  - num2 ;
    }

    // Method to perform multiplication
    public void multiply() {
        result = num1  * num2 ;
    }

    // Method to perform division
    public void divide() {
        if(num2 != 0 ) {
            result = num1  / num2 ;
        } else {
            ApexPages.addMessage(new ApexPages.Message(ApexPages.Severity.ERROR,
'Cannot divide by zero.'));
        }
    }
}
```

```
<apex:page controller="MathCalculatorController">
    <apex:form >
        <apex:pageBlock title="Math Calculator">
            <apex:pageBlockSection >
                <apex:inputText value="{!num1}" label="Number 1"/>
                <apex:inputText value="{!num2}" label="Number 2"/>
            </apex:pageBlockSection>
            <apex:pageBlockButtons >
                <apex:commandButton action="{!add}" value="Add"/>
                <apex:commandButton action="{!subtract}" value="Subtract"/>
```

```
            <apex:commandButton action="{!multiply}" value="Multiply"/>
            <apex:commandButton action="{!divide}" value="Divide"/>
        </apex:pageBlockButtons>
        <apex:pageBlockSection >
            <apex:outputText value="{!result}" label="Result"/>
        </apex:pageBlockSection>
        <apex:pageMessages />
    </apex:pageBlock>
  </apex:form>
</apex:page>


public class Calculator {

    public void sum(Integer a, Integer b) {
        Integer result = a + b;
        System.debug('sum : ' + result);
    }
    public void sub(Integer a, Integer b) {
        Integer result = a - b;
        System.debug('sub : ' + result);
    }
    public void mul(Integer a, Integer b) {
        Integer result = a * b;
        System.debug('mul : ' + result);
    }
    public void div(Integer a, Integer b) {
        Decimal result = (Decimal)a / (Decimal)b;
        System.debug('div : ' + result);
    }
    public void mod(Integer a, Integer b) {
        Integer result = math.mod(a, b);
        System.debug('mod : ' + result);
    }
    public void pow(Integer a, Integer b) {
        Double result = Math.pow(a , b);
        System.debug('pow : ' + result);
    }
    public void sqrt(Integer a) {
        Double result = math.sqrt(a);
        System.debug('sqrt : ' + result);
    }

}
```

Ele Bill :

```
<apex:page controller="ElectricityBillGenrator" >
    <apex:form >
        <apex:pageBlock >
        <apex:pageBlockSection >
            <apex:inputText label="Electricity Used : " value="{!usedUnit}" />
        </apex:pageBlockSection>
        <apex:pageBlockSection >
            <apex:commandButton value="generate Bill" action="{!generate}" />
        </apex:pageBlockSection>

        <apex:pageBlockSection >
            <apex:outputText value="{!ans}"></apex:outputText>
        </apex:pageBlockSection>

        </apex:pageBlock>
    </apex:form>
</apex:page>

public class ElectricityBillGenrator {
    Decimal rate1 = 50 ;
    Decimal rate2 = 70 ;
    Decimal rate3 = 100 ;
    public Decimal usedUnit {get; set;}
    public Decimal bill {get; set;}
    public String ans {get; set;}

    public void generate(){
        if( usedUnit <= 100){
            bill = usedUnit * (Decimal)rate1 ;
        }
        else if(usedUnit <= 200){
            bill = ((Decimal)100) * (Decimal)rate1 + (usedUnit -(Decimal)100) * (Decimal)rate2 ;
        }
        else{
            bill = ((Decimal)100) * (Decimal)rate1 + ((Decimal)100) * (Decimal)rate2 +
(usedUnit-(Decimal)200) * (Decimal)rate3;
        }
        ans = 'Total bill is '+ bill ;
        System.debug(ans);
    }
}
```

Curr converter

```
<apex:page controller="CurrConverter">
   <apex:form >
       <apex:pageBlock >
       <apex:pageBlockSection >
          <apex:inputText label="Amount : " value="{!num1}"/>
       </apex:pageBlockSection>
       <apex:pageBlockSection >
          <apex:commandButton action="{!IndToUsa}" value="convert ind to usa"/>
          <apex:commandButton action="{!UsadToInd}" value="convert usa to ind"/>
       </apex:pageBlockSection>
             <apex:outputText value="{!ans}" label="Result :" />
       <apex:pageBlockSection >
       </apex:pageBlockSection>
     </apex:pageBlock>
   </apex:form>
</apex:page>
```

```
public class CurrConverter {
   public Decimal num1 {get; set; }
   public Decimal result {get; set;}
   public String ans{ get; set;}

   public void UsadToInd(){
      result = (Decimal) num1 * (Decimal)74.5 ;
      ans = 'USA to India currency conversion is : '+ result ;


   }
   public void IndToUsa(){
      result =(Decimal) num1 *((Decimal) 1/ (Decimal) 74.5) ;
      ans = 'India to USA currency conversion is : '+ result ;
      // System.debug(ans) ;
   }
}
```