**1] Create an application of Calculator in SalesForce.com using Apex programming Language**

**Code :**

public class test100 {  
      
    public static Decimal add(Decimal a1,Decimal a2) {  
 Decimal value1 = a1 + a2;  
    System.debug('the sum is : '+value1);  
        return value1;  
    }  
  
    public static Decimal sub(Decimal a1,Decimal a2) {  
 Decimal value2 = a1 - a2;  
    System.debug('the sub is : '+value2);  
        return value2;  
    }  
    public static Decimal mul(Decimal a1,Decimal a2) {  
 Decimal value3 = a1 \* a2;  
    System.debug('the mul is : '+value3);  
        return value3;  
    }  
      
    public static Decimal div(Decimal a1,Decimal a2) {  
 Decimal value4 = a1 / a2;  
    System.debug('the div is : '+value4);  
        return value4;  
    }  
  
      
      
}test100.add(4,2);  
test100.sub(4,**2);**

**Window Code :**

test100.add(4,2);  
test100.sub(4,2);  
test100.mul(4,2);  
test100.div(4,2);  
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**2] Create an application of Temperature Conversion from Celsius to Fahrenheit in SalesForce.com using Apex programming Language**

**Code :**

public class tempConvetApp {

public static void convertCelsiusToFahrenheit(Decimal celsius) {

Decimal fahrenheit = (celsius \* 9 / 5) + 32;

System.debug('Celsius: ' + celsius + ' | Fahrenheit: ' + fahrenheit);

}}

**Window Code :**

Decimal celsiusValue = 25;

tempConvetApp.convertCelsiusToFahrenheit(celsiusValue);

public class temperature {  
    public static Decimal cal(Decimal f) {  
 Decimal value = (f-32)\* 5/9;  
    System.debug('the result is '+value);  
        return value;  
    }  
}  
  
  
Output:  
[temperature.cal](http://temperature.cal/)(56);

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**3] Create an application of Palindrome in SalesForce.com using Apex programming Language.**

**Code :**

public class PalindromeCheck {

public static void checkPalindrome(String input) {

String reversedString = '';

for(Integer i = input.length() - 1; i >= 0; i--) {

reversedString += input.substring(i, i+1);

}

if (input.equalsIgnoreCase(reversedString)) {

System.debug(input + ' is a palindrome.');

} else {

System.debug(input+ ' is not a palindrome.');

}

}

}

**Window Code :**

String inputString = 'Kartik Ahire The Chutiya Boy';

PalindromeCheck.checkPalindrome(inputString);

String inputString2 = 'Hello, Kartik';

PalindromeCheck.checkPalindrome(inputString2);

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**4] Create an application of Reverse the String in SalesForce.com using Apex programming Language.**

**Code :**

public class StringReversal {

public static String reverseString(String input) {

String reversedString = '';

for (Integer i = input.length() - 1; i >= 0; i--) {

reversedString += input.substring(i, i+1);

}

return reversedString;

}

}

**Window Code :**

String inputString = 'Hello, Tushar Bari';

String reversedString = StringReversal.reverseString(inputString);

System.debug('Reversed String: ' + reversedString);