

**CvSU Vision**

The premier University in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.

**CAVITE STATE UNIVERSITY****Imus Campus**

Cavite Civic Center Palico IV, Imus, Cavite  
(046) 471-66-07 / (046) 471-67-70 / (046) 686- 23-49

[www.cvsu.edu.ph](http://www.cvsu.edu.ph)

**CvSU Mission**

Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.

It shall produce professional, skilled and morally upright individuals for global competitiveness.

**DEPARTMENT OF COMPUTER STUDIES****ITEC 106 – IT ELECTIVE 2 ( WEB SYSTEM AND TECHNOLOGIES 2)**

Name : Orbasido, Andrew C	Section : BSIT 3C
Assignment No : 1	Submission Date : Mar. 16, 2024
Assignment Title: Calculator	

**Code :****HTML FILE**

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Activity 1 Calculator</title>
</head>
<body>

  <div class="calculator">
    <input type="text" id="display" readonly>
    <div class="row">
      <input type="button" class="button" value="7"
onclick="addToDisplay('7')">
      <input type="button" class="button" value="8"
onclick="addToDisplay('8')">
      <input type="button" class="button" value="9"
onclick="addToDisplay('9')">
      <input type="button" class="button orange" value="÷"
onclick="addToDisplay('/')">
    </div>
    <br>
    <div class="row">
      <input type="button" class="button" value="4"
onclick="addToDisplay('4')">
      <input type="button" class="button" value="5"
onclick="addToDisplay('5')">
```



DEPARTMENT OF COMPUTER STUDIES  
ITEC 106 – IT ELECTIVE 2 ( WEB SYSTEM AND TECHNOLOGIES 2)

```

        <input type="button" class="button" value="6"
onclick="addToDisplay('6')">
        <input type="button" class="button orange" value="X"
onclick="addToDisplay('*')">
    </div>
    <br>
    <div class="row">
        <input type="button" class="button" value="1"
onclick="addToDisplay('1')">
        <input type="button" class="button" value="2"
onclick="addToDisplay('2')">
        <input type="button" class="button" value="3"
onclick="addToDisplay('3')">
        <input type="button" class="button orange" value="-"
onclick="addToDisplay('-')">
    </div>
    <br>
    <div class="row">
        <input type="button" class="button" value="0"
onclick="addToDisplay('0')">
        <input type="button" class="button" value="."
onclick="addToDisplay('.')">
        <input type="button" class="button orange" value="="
onclick="calculate()">
        <input type="button" class="button orange" value="+"
onclick="addToDisplay('+')">
    </div>
    <br>
    <div class="row">
        <input type="button" class="button" value="C"
onclick="clearDisplay()">
    </div>
</div>
</body>
</html>

```

## JS FILE

```

<script>
    function addToDisplay(value) {

```

#### CvSU Vision

The premier University in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.



#### CAVITE STATE UNIVERSITY

##### Imus Campus

Cavite Civic Center Palico IV, Imus, Cavite  
(046) 471-66-07 / (046) 471-67-70 / (046) 686- 23-49

[www.cvsu.edu.ph](http://www.cvsu.edu.ph)

#### CvSU Mission

Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.

It shall produce professional, skilled and morally upright individuals for global competitiveness.

### DEPARTMENT OF COMPUTER STUDIES ITEC 106 – IT ELECTIVE 2 ( WEB SYSTEM AND TECHNOLOGIES 2)

```
        document.getElementById('display').value += value;
    }

    function clearDisplay() {
        document.getElementById('display').value = '';
    }

    function calculate() {
        let expression = document.getElementById('display').value;
        let result = eval(expression);
        document.getElementById('display').value = result;
    }
</script>
```

#### CSS FILE

```
body {
    font-family: Arial, sans-serif;
    background-color: #f3f3f3;
}

.calculator {
    width: 320px;
    margin: 50px auto;
    padding: 20px;
    background-color: #504d4d;
    border-radius: 10px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    height: 29 em;
}

input[type="text"] {
    width: calc(106% - 20px);
    /* Adjusting for padding */
    height: 60px;
    font-size: 24px;
    margin-bottom: 20px;
    padding: 10px;
    box-sizing: border-box;
    border: none;
```

### CvSU Vision

The premier University in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.



### CAVITE STATE UNIVERSITY

#### Imus Campus

Cavite Civic Center Palico IV, Imus, Cavite  
(046) 471-66-07 / (046) 471-67-70 / (046) 686- 23-49

[www.cvsu.edu.ph](http://www.cvsu.edu.ph)

### CvSU Mission

Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.

It shall produce professional, skilled and morally upright individuals for global competitiveness.

### DEPARTMENT OF COMPUTER STUDIES ITEC 106 – IT ELECTIVE 2 ( WEB SYSTEM AND TECHNOLOGIES 2)

```
border-radius: 5px;
background-color: #fff;
text-align: left;
box-shadow: inset 0 1px 4px rgba(0, 0, 0, 0.1);
outline: none;
position: relative;
}

.row {
  display: flex;
  justify-content: space-between;
}

.button {
  width: 60px;
  height: 60px;
  font-size: 24px;
  border: none;
  border-radius: 50%;
  background-color: #e0e0e0;
  cursor: pointer;
  transition: background-color 0.3s ease;
}

.button:hover {
  background-color: #d0d0d0;
}

.button.orange {
  background-color: #ff9800;
}

.button.orange:hover {
  background-color: #ffac33;
}
```

SCREENSHOT

### CvSU Vision

*The premier University in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.*



### CAVITE STATE UNIVERSITY

#### Imus Campus

Cavite Civic Center Palico IV, Imus, Cavite  
(046) 471-66-07 / (046) 471-67-70 / (046) 686- 23-49

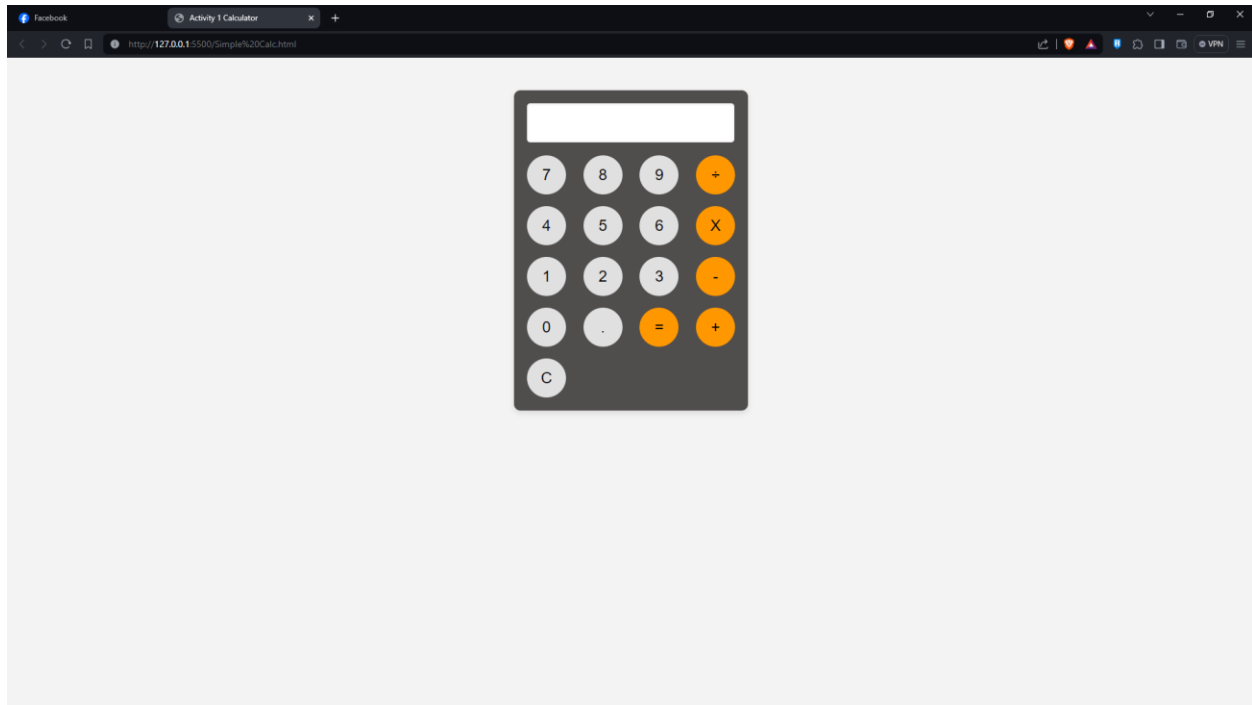
[www.cvsu.edu.ph](http://www.cvsu.edu.ph)

### CvSU Mission

*Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.*

*It shall produce professional, skilled and morally upright individuals for global competitiveness.*

### DEPARTMENT OF COMPUTER STUDIES ITEC 106 – IT ELECTIVE 2 ( WEB SYSTEM AND TECHNOLOGIES 2)



### Dictionary:

- `document.getElementById('display')` - `document.getElementById('display')` returns a reference to the HTML element with the specified id attribute. Once you have this reference, you can perform various operations on the element.
- `eval()` - evaluates JavaScript code represented as a string. Used in the code for the calculate function
- `value` - sets or returns the value of the value attribute of a text field. For example, using the value to for the arithmetic functions to work or to clear the text field.
- `let` - keyword used to declare a block-scoped variable
- `function` - used to define a JavaScript function