

## Html -code

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8"/>

    <meta name="viewport"
content="width=device-width,initial-
scale=1.0"/>

    <link rel="stylesheet" href="MJ.css" />

    <link rel="stylesheet"
href="fontawesome/css/all.css" />

    <title>CGPA calculator</title>

  </head>

  <body>

    <!-- cgpa_container html part -->

    <div class="cgpa_container">

<!-- cgpa title html part -->

<div class="cgpa_title"><h4>VTU CGPA
Calculator</h4></div>


    <!-- cgpa input html part -->

    <input type="text" id="first-gpa"
placeholder="1st-semester">

    <input type="text" id="two-gpa"
placeholder="2nd-semester">

    <input type="text" id="three-gpa"
placeholder="3rd-semester">

    <input type="text" id="four-gpa"
placeholder="4th-semester">

    <input type="text" id="five-gpa"
placeholder="5th-semester">

    <input type="text" id="six-gpa"
placeholder="6th-semester">

    <input type="text" id="seven-gpa"
placeholder="7th-semester">
```

```
    <input type="text" id="eight-gpa"
placeholder="8th-semester">

    <!-- cgpa output html part -->

    <div class="cgpa_output">

      <h1>TOTAL CGPA =</h1>

      <button id="btn_re">

        Reset

      </button>

      <button id="btn_sub">

        submit

      </button>

    </div>

  </div>

  <!-- <script src="boot/js/jquery.js"></script>

  <script src="boot/js/bootstrap.min.js"></script>
-->

  <script src="MJ.js"></script>

</body>

</html>
```

## Java script code

```
// onclick Event function call to get all input value.

document.querySelector('#btn_sub').addEventListener('click',() =>{

    // first input value get

    let first_gpa=document.querySelector('#first-gpa').value;

    // first input value [5% per] calculation

    let first_gpa_per=(first_gpa /100)*5;

    // first input final value

    let

    first_gpa_per_result=first_gpa_per.toPrecision(3);


    // two input value get

    let two_gpa=document.querySelector("#two-gpa").value;

    // two input value [5% per] calculation

    let two_gpa_per=(two_gpa / 100) * 5;

    // two input final value

    let

    two_gpa_per_result=two_gpa_per.toPrecision(3);


    // three input value get

    let three_gpa=document.querySelector("#three-gpa").value;

    // three input value [5% per] calculation

    let three_gpa_per=(three_gpa / 100) * 5;

    // three input final value

    let

    three_gpa_per_result=three_gpa_per.toPrecision(3);
```

```
// four input value get

let four_gpa=document.querySelector("#four-gpa").value;s

// four input value [10% per] calculation

let four_gpa_per=(four_gpa / 100) * 10;

// four input final value

let

four_gpa_per_result=four_gpa_per.toPrecision(3);


// five input value get

let five_gpa=document.querySelector("#five-gpa").value;

// five input value [15% per] calculation

let five_gpa_per=(five_gpa / 100) * 15;

// five input final value

let

five_gpa_per_result=five_gpa_per.toPrecision(3);


// six input value get

let six_gpa=document.querySelector("#six-gpa").value;

// six input value [20% per] calculation

let six_gpa_per=(six_gpa / 100) * 20;

// six input final value

let

six_gpa_per_result=six_gpa_per.toPrecision(3);


// seven input value get

let seven_gpa=document.querySelector("#seven-gpa").value;

// seven input value [25% per] calculation

let seven_gpa_per=(seven_gpa / 100) * 25;
```

```

// seven input final value

let
seven_gpa_per_result=seven_gpa_per.toPrecision
(3);

// eight input value get

let eight_gpa=document.querySelector("#eight-
gpa").value;

// eight input value [15% per] calculation

let eight_gpa_per=(eight_gpa / 100) * 15;

// eight input final value

let
eight_gpa_per_result=eight_gpa_per.toPrecision(
3);

```

```

// total final value sum

let total =

parseFloat(first_gpa_per_result)+
parseFloat(two_gpa_per_result)+
parseFloat(three_gpa_per_result)+
parseFloat(four_gpa_per_result)+
parseFloat(five_gpa_per_result)+
parseFloat(six_gpa_per_result)+
parseFloat(seven_gpa_per_result)+
parseFloat(eight_gpa_per_result);

let total_cgpa=total.toPrecision(3);

// total value show output

document.querySelector('.cgpa_output
h1').innerHTML=`TOTAL CGPA = ${total_cgpa}`

})

```

```

document.querySelector('#btn_re').addEventListener
('click',()=>{

```

```

document.querySelector('.cgpa_output
h1').innerHTML=`TOTAL CGPA =`

document.querySelector('#first-gpa').value=";

document.querySelector('#two-gpa').value=";

document.querySelector('#three-gpa').value=";

document.querySelector('#four-gpa').value=";

document.querySelector('#five-gpa').value=";

document.querySelector('#six-gpa').value=";

document.querySelector('#seven-gpa').value=";

document.querySelector('#eight-gpa').value=";

})

// onclick Event function call reset all input and
output value

```

## Css code

```
/* basic css */
```

```
* {  
  margin: 0;  
  padding: 0;  
  box-sizing: border-box;  
}
```

```
h1,
```

```
h2,
```

```
h3,
```

```
h4,
```

```
h5,
```

```
h6 {
```

```
  margin: 0;
```

```
  padding: 0;
```

```
}
```

```
/* body css part */
```

```
body{
```

```
  height: 100vh;
```

```
  display: flex;
```

```
  align-items: center;
```

```
  justify-content: center;
```

```
  background: linear-gradient(to top, #0c7b93 0%,  
#00a8cc 100%);
```

```
}
```

```
/* cgpa container css part */
```

```
.cgpa_container{
```

```
  width: 500px;
```

```
  height: auto;
```

```
  border-radius: 10px;
```

```
  box-shadow: inset 5px 5px 5px 0px rgba(255,  
255, 255, 0.03),
```

```
7px 7px 20px 0px rgba(0, 0, 0, 0.2), 4px 4px 5px  
0px rgba(0, 0, 0, 0.1);
```

```
}
```

```
/* cgpa container > cgpa_title css part */
```

```
.cgpa_container > .cgpa_title{
```

```
  width: 100%;
```

```
  height: 50px;
```

```
  background-color: #00abfa;
```

```
  text-align: center;
```

```
  line-height: 50px;
```

```
  font-family: Bahnschrift SemiBold;
```

```
  font-size: 24px;
```

```
  color: #fff;
```

```
  border-radius: 10px 10px 0px 0px ;
```

```
}
```

```
/* cgpa_container > cgpa_input css part */
```

```
.cgpa_container > input{
```

```
  border: none;
```

```
  background-color: #fff;
```

```
  outline: none;
```

```
  width: 220px;
```

```
  height: 40px;
```

```
  border-radius: 10px;
```

```
  border: 1px solid #eee;
```

```
  text-align: center;
```

```
  font-family: tahoma;
```

```
  font-weight: bold;
```

```
  color: #242627;
```

```
  margin: 10px;
```

```
}
```

```

/* cgpa_container > cgpa_input placeholder css
part */
::placeholder{
    color:#242627;
    font-size: 15px;
}

/* cgpa_container cgpa_output css part*/
.cgpa_container .cgpa_output{
    width: 100%;
    margin-left: 19px;
}

/* cgpa_container cgpa_output h1 css part*/
.cgpa_container .cgpa_output h1{
    font-family: arial;
    font-size: 25px;
    margin-top: 25px;
    color:#fff;
}

/* cgpa_container cgpa_output > btn_re css
part*/

/* cgpa_container cgpa_output > btn_sub css
part*/

.cgpa_container .cgpa_output #btn_re,
.cgpa_container .cgpa_output #btn_sub {
    border: none;
    background-color: #00abfa;
    outline: none;
    font-size: 20px;
    font-family: roboto slab;
    cursor: pointer;
    border-radius: 12px;
    margin: 25px 0px 25px 0px;

```

```

    color:#fff;

    box-shadow: inset 5px 5px 5px 0px rgba(255,
255, 255, 0.03),
    7px 7px 20px 0px rgba(0, 0, 0, 0.2),
    4px 4px 5px 0px rgba(0, 0, 0, 0.1);
padding: 5px 20px;
}

.cgpa_container .cgpa_output #btn_re{
    margin-right: 15px;
}

/* cgpa_container cgpa_output > btn_re:active
css part*/

/* cgpa_container cgpa_output > btn_sub:active
css part*/

.cgpa_container .cgpa_output #btn_re:active,
.cgpa_container .cgpa_output #btn_sub:active{
    box-shadow: inset 5px 5px 5px 0px rgba(255,
255, 255, 0.03),
    inset 7px 7px 20px 0px rgba(0, 0, 0, 0.2),
    inset 4px 4px 5px 0px rgba(0, 0, 0, 0.1);
}

css

```