





Internet Software Architecture (4CS017)

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Question

Make a simple interest calculator using javascript.

Simple Interest Calculator Using HTML, CSS and Javascript

Objective:

- 1. Download the project folder.
- 2. Modify the HTML file as per the requirements.
- 3. Modify the CSS file as per the requirements.
- 4. Modify the JavaScript file as per the requirements.
- 5. Verify that the webpage is working properly.

Code

```
*** The state of t
```

```
body {background-color:black;}
h1{color:black;}
                       .container{
  width:30%;
                                      margin:auto;
                                      padding:20px;
background-color:rgb(181, 181, 181);
border-radius: 20px;
background-tool-ryghtal,
border-radius: 20px;
color:black;

footer{
width:30%;
margin:auto;
padding:20px;
color:white;

row{
width:100%;
padding:5 20px;
margin-top:40px;

left {
float: left;
width: 25%;
margin-top: 6px;
vertical-align: auto;

}

.right {
float: left;
width: 75%;
margin-top: 6px;
resize: vertical;

width: 75%;
input[type=number], select {
width: 90%;
padding: 6px;
border-radius: 4px;
resize: vertical;

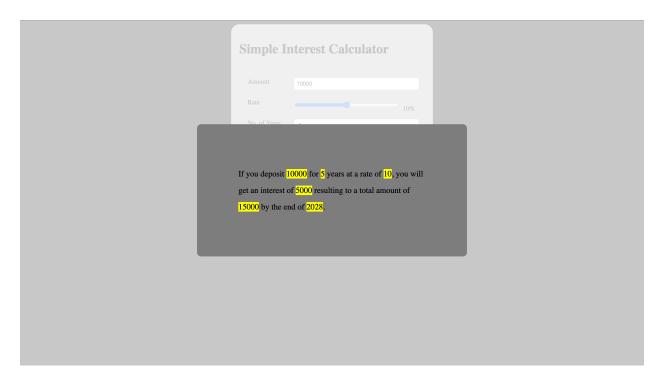
border-radius: 4px;
resize: vertical;

border-radius: 4px;
resize: vertical;
44 }
45
46 input[type=range]{
47 width:75%;
48 margin-right:5p
49 padding: 6px;
50 resize: vertica
51 }
52
53 #calc{
54 border: 0px;
55 border-radius:
56 padding:15px;
57 }
58 #calc:hover{
                          width:75%;
margin-right:5px;
                                   padding: 6px;
resize: vertical;
                                 border: 0px;
border-radius: 5px;
  57 }
8 #calc:hover{
59 background-color: #001aff8e;
60 }
61
60 }
61
62 .hide{
63    display:none;
64 }
65    for gosition:absolute;
66    top:30%;
69    left:0;
71    margin:auto;
72    z-index:9;
73    background-color: gr
74    padding:100px;
75    border-radius: 10px;
76    opacity: 10px;
77    width: 30%;
78    font-size: 20px;
79    line-height: 40px;
80 }
81
82    #overlay{
83     position:absolute;
84    top: 0;
85    left:0;
86    width: 100vw;
87    height: 100vh;
88    z-index:5;
89    background-color: re
90    opacity: 80%;
91 }
                                      z-index:9;
background-color: grey;
                                      padding:100px;
border-radius: 10px;
                                      height: 100vh;
z-index:5;
background-color: rgb(255, 255, 255);
opacity: 80%;
```

```
function compute()
        let d = parseFloat(new Date().getFullYear());
        let p = parseFloat(document.getElementById("principal").value);
        let t = parseFloat(document.getElementById('time').value);
        let r = parseFloat(document.getElementById('rate').value);
        let s=(p*t*r)/100;
        let y=d+t;
        console.log(y)
        document.getElementById('p').innerHTML = p;
        document.getElementById('t').innerHTML = t;
        document.getElementById('r').innerHTML = r;
        document.getElementById('result').innerHTML = s;
        document.getElementById('amt').innerHTML = s+p;
        document.getElementById('date').innerHTML= y;
        document.getElementById('results').classList.toggle('hide');
        document.getElementById('overlay').classList.toggle('hide');
18 }
    function updateRate()
        rateval=document.getElementById("rate").value;
        document.getElementById("rate_val").innerHTML=rateval+"%";
    function checkPrincipal()
        p=document.getElementById("principal").value;
        if (p<0){
            window.alert("Enter a positive value");
            document.getElementById("principal").value="";
            document.getElementById("principal").focus();
        }
    function hide()
    {
        document.getElementById('results').classList.toggle('hide');
        document.getElementById('overlay').classList.toggle('hide');
```

Output

Simple Interest Calculator	
Amount	
Rate 10%	
No. of Years	
Compute	
© This belongs to Prajal.	



Learning outcomes and Conclusion

In this program I learned to use toggle class. I also learned to use different element selectors in JavaScript and learned to manipulate different elements of the function. I also learned how to get the current date and manipulate the data accordingly. In addition to that, I learned about the different data types in JavaScript and how it reacts to different data types. I also learned about z-index and overlays which allowed me to create a better design for my code.

Hence, this was a fun program to do, and it helped me refresh my knowledge about JavaScript and also helped me learn new things. I enjoyed doing the project overall.