

ACTIVITY-1:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<script type="application/javascript">
```

```
function checkdata()
```

```
{
```

```
    var username = document.getElementById("name");
```

```
    var emailid = document.getElementById("email");
```

```
    var password = document.getElementById("password");
```

```
    if(username.value == "")
```

```
    {
```

```
        alert("Please enter the name");
```

```
        username.focus();
```

```
        return false;
```

```
    }
```

```
    if(email_address.value == "")
```

```
    {
```

```
        alert("Please enter the email");
```

```
        email_address.focus();
```

```
        return false;
```

```
    }
```

```
    if(password.value == "")
```

```
    {
```

```
        alert("Please enter the password");
```

```
        password.focus();
```

```
        return false;
```

```
    }
```

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```
        return true;
    }

    }
</script>

<title>Login Details</title>

</head>

<body>

    <h2>Enter your details:</h2> <br>

    <form id="form1" onsubmit="return checkdata()">

        <label for="name">Name:</label>

        <input type="text" id="name" name="name">

        <br><br>

        <label for="email">Email Address:</label>

        <input type="text" id="email" name="email">

        <br><br>

        <label for="password">Password:</label>

        <input type="password" id="password" name="password">

        <br><br>

        <input type="submit" value="Submit">

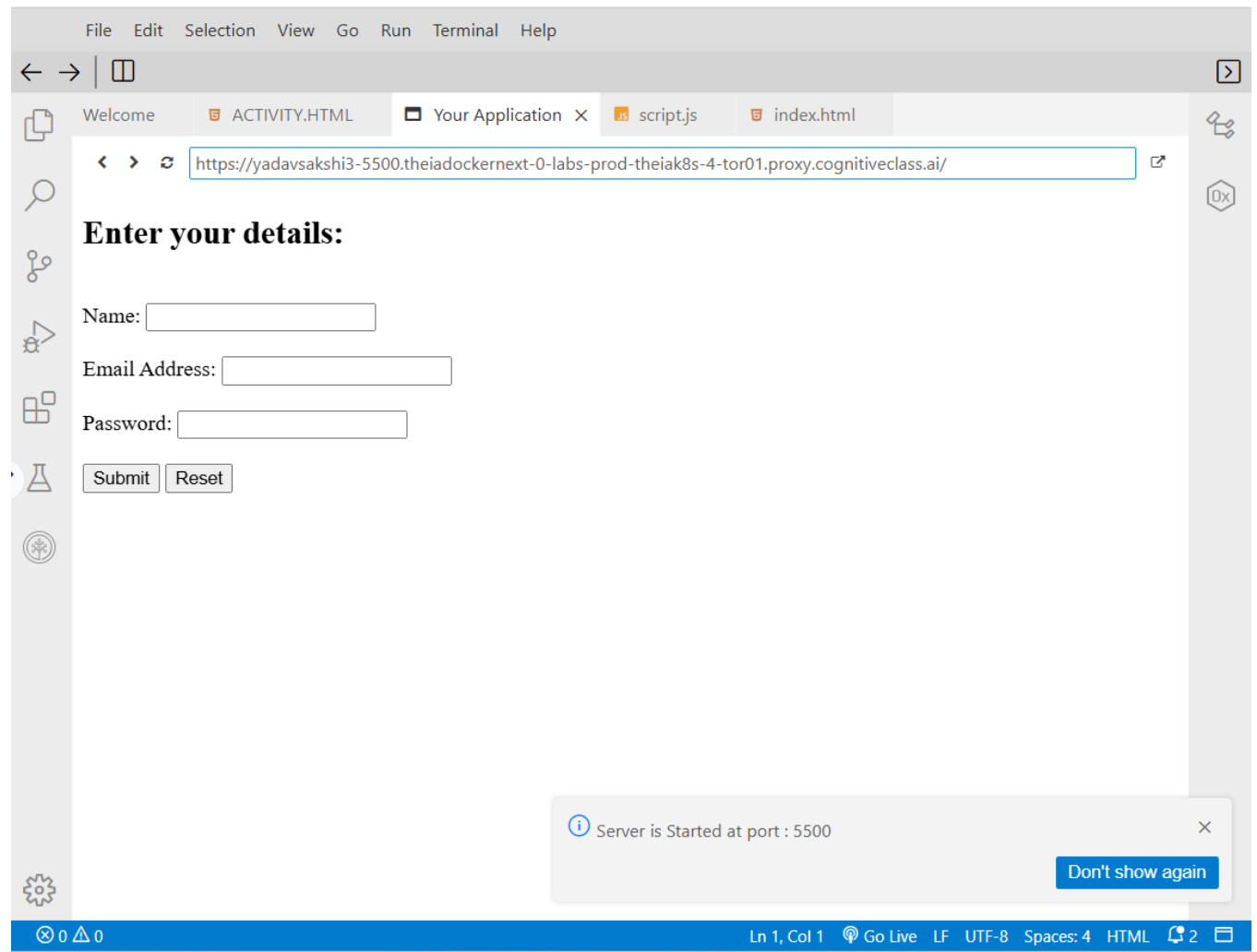
        <input type="reset" value="Reset">

    </form>

</body>

</html>
```

OUTPUT:



ACTIVITY-2

Console was cleared

undefined

```
console.log("Hello world")
```

VM356:1 Hello world

undefined

```
let num=5
```

undefined

```
var myst="sammy"
```

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undefined

```
console.log(num)
```

VM456:1 5

undefined

```
console.log(myst)
```

VM492:1 sammy

undefined

```
const pi=3.147
```

undefined

```
console.log(pi)
```

undefined

```
function printMyInput(user_input)
```

```
{
```

```
  console.log("parameter is pass"+user_input)
```

```
}
```

undefined

```
printMyInput(5)
```

VM732:3 parameter is pass5

undefined

```
printMyInput("sammy")
```

VM732:3 parameter is passsammy

```
console.log("10+5=",10+5)
```

VM939:1 10+5= 15

undefined

```
console.log("25*2=",25+5)
```

VM991:1 25*2= 30

undefined

```
console.log("25*2=",25*2)
```

```
VM1051:1 25*2= 50
```

ACTIVITY-3:

HTML

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

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

```
    <link rel="stylesheet" href="style.css">
```

```
    <title>Simple Interest Calculator</title>
```

```
  </head>
```

```
  <body>
```

```
    <div class="maindiv">
```

```
      <h1>Simple Interest Calculator</h1>
```

```
      Amount <input type="number" id="principal"> <br/>
```

```
      Rate <input type="range" id="rate" min="1" max="20" value="10.25" step="0.25"
onchange="updateRate()">
```

```
      <span id="rate_val">
```

```
        10.25
```

```
      </span>% <br/>
```

```
      No. of Years
```

```
      <input type="number" id="years" list="all_years">
```

```
      <datalist id="all_years">
```

```
        <option value="1">1</option>
```

```
        <option value="2">2</option>
```

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```
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
<option value="9">9</option>
<option value="10">10</option>
</datalist>
<br />
Interest : <span id="result"></span><br/>
<button onclick="compute()">Compute Interest</button>
</div>
<footer>
    &#169; This Calculator belongs to --your name--
</footer>
</body>
</html>
```

CSS

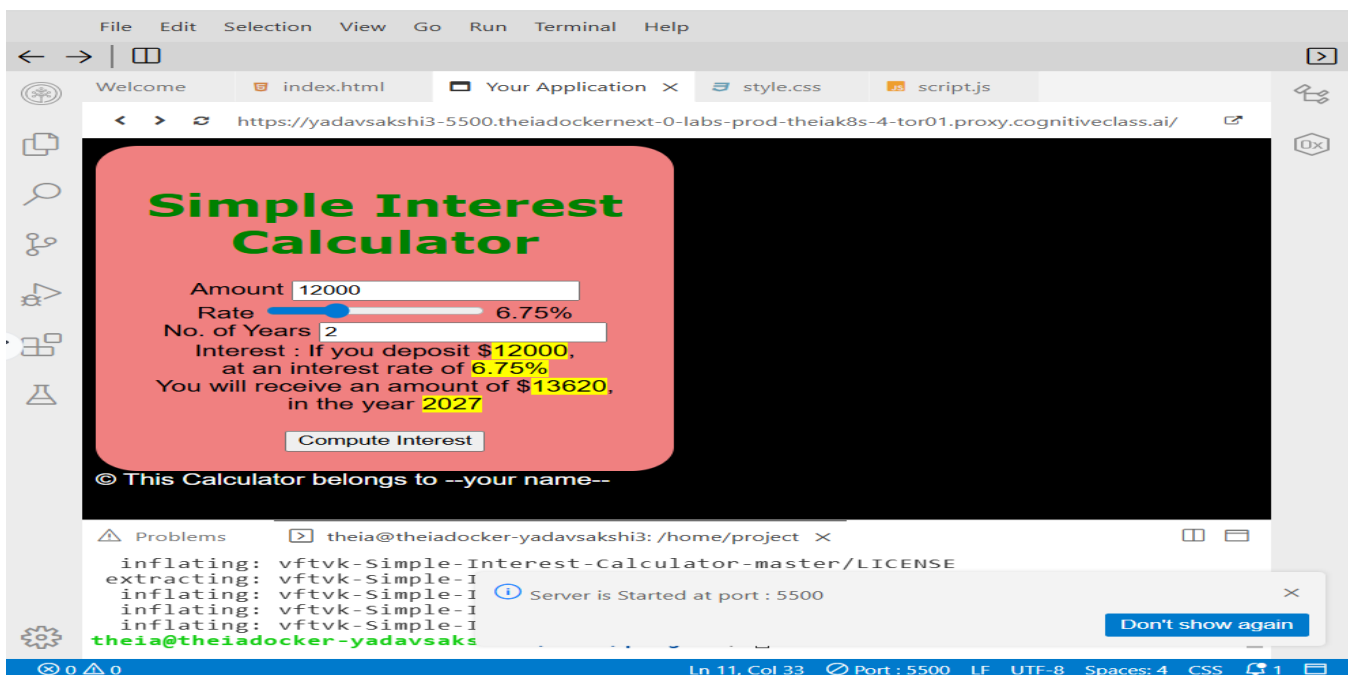
```
body {
    background-color: black;
    font-family: arial;
    color: white;
}
h1 {
    color: Green;
    Shree Swaminarayan Institute Of Technology, Gandhinagar.
```

```
        font-family: verdana;
    }
    .maindiv {
        background-color: lightcoral;
        color: black;
        width: 300px;
        padding: 20px;
        border-radius: 25px;
        text-align: center;
    }
```

JSP

```
function compute() {
    var principal = document.getElementById("principal").value;
    var rate = document.getElementById("rate").value;
    var years = document.getElementById("years").value;
    var interest = principal * years * rate / 100;
    var year = new Date().getFullYear() + parseInt(years);
    var amount = parseInt(principal) + parseFloat(interest);
    var result = document.getElementById("result");
    if (principal <= 0) {
        alert('Please enter a positive number!');
        document.getElementById("principal").focus();
    }
    else {
        result.innerHTML = "If you deposit $" + "<mark>" + principal + "</mark>" + ",\<br\> at an interest  
rate of " + "<mark>" + rate + "%" + "</mark>" + "\<br\> You will receive an amount of $" + "<mark>" +  
amount + "</mark>" + ",\<br\> in the year " + "<mark>" + year + "</mark>" + "\<br\>";
    }
}
```

```
}  
  
}  
  
function updateRate()  
{  
  
    var rateval = document.getElementById("rate").value;  
  
    document.getElementById("rate_val").innerText = rateval;  
  
}
```



labs.cognitiveclass.ai/v2/tools/cloud-ide-kubernetes?ulid=ulid-c79e54f5c8159c28e47a9b67d1607e374d92bed0

DST Gujarat - IBM

Exercise 5: Test the Calculator

Now that you have finished coding your calculator, you must do some basic testing.

Write comments in your code which will help debug and maintain the code in the long term.

1. Enter these values in the form.

1	Amount = 0
2	Rate = 1%
3	No. of Years = 1

Click on the **Compute Interest** button.

The output should be an alert saying **Enter a positive number**.

Simple Interest Calculator

Amount

Rate

No. of Years

Interest : If you deposit \$12000, at an interest rate of 0.75%, You will receive an amount of \$13620, in the year 2027

Compute Interest

© This Calculator belongs to --your name--

Problems theia@theiadocker-yadavsakshi3:/home/project X

```
inflating: vftvk-Simple-Interest-Calculator-master/LICENSE
extracting: vftvk-Simple-I
inflating: vftvk-Simple-I
inflating: vftvk-Simple-I
inflating: vftvk-Simple-I
theia@theiadocker-yadavsaks
```

Ln 11, Col 22 Go Live LF UTF-8 Spaces: 4 CSS