1.Prompt for amount, interest rate and no. of years and calculate simple interest
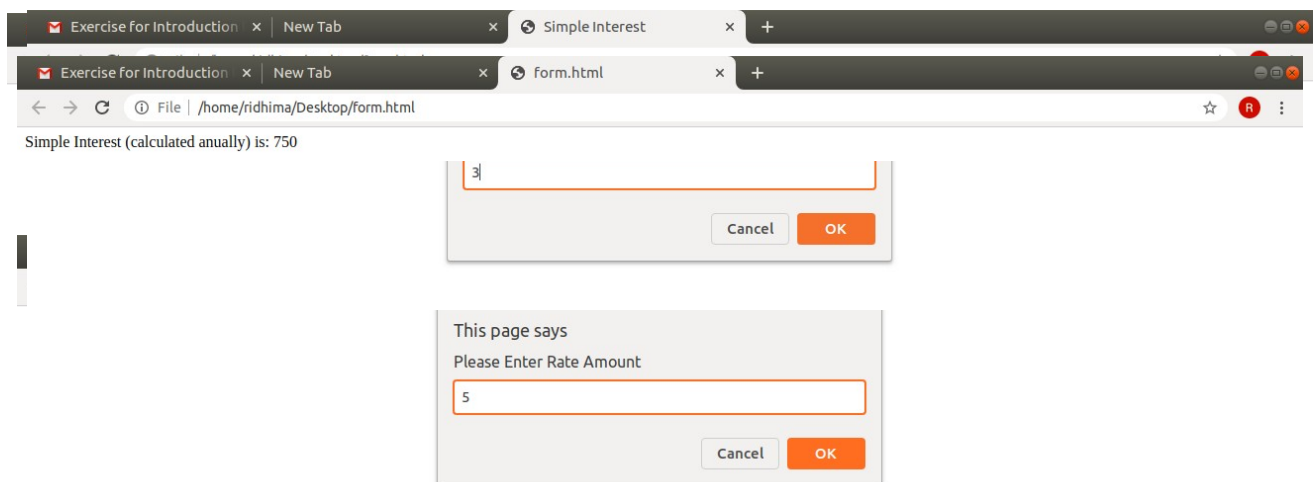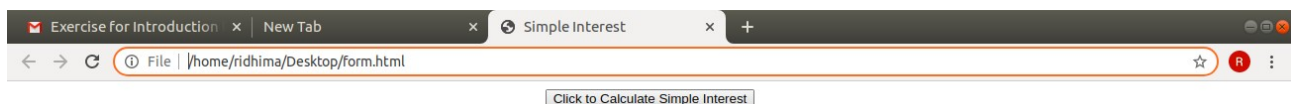
```html
1  <!DOCTYPE html>
2  <html>
3      <head>
4      <meta charset="utf-8">
5          <title>Simple Interest</title>
6      </head>
7      <script type="text/javascript">
8      function simpleint()
9      {
10     var p,r,t;
11     p=parseFloat(prompt("Please Enter Principle Amount"));
12     r=parseFloat(prompt("Please Enter Rate Amount"));
13     t=parseFloat(prompt("Please Enter Time(year)"));
14     var si=(p*r*t)/100;
15     document.write("Simple Interest (calculated anually) is: "+si);
16     }
17     </script>
18     <body>
19     <center>
20         <input type="button" value="Click to Calculate Simple Interest" onclick="simpleint()" />
21         </center>
22     </body>
23  </html>
```
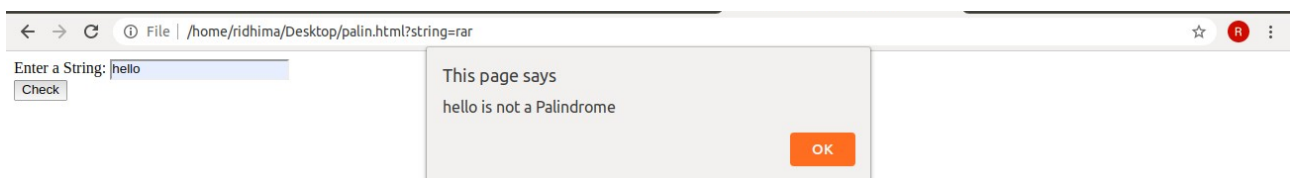
Click to Calculate Simple Interest

Simple Interest (calculated anually) is: 750

3

Cancel   OK

This page says
Please Enter Rate Amount

5

Cancel   OK

2.is palindrome string

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```html
1  <html>
2  <body>
3  <script type="text/javascript">
4  function palindrome()
5  {
6  var revStr = "";
7  var s = document.getElementById("s").value;
8  var i = s.length;
9  for(var j=i; j>=0; j--) {
10 revStr = revStr+s.charAt(j);
11 }
12 if(s == revStr) {
13 alert(s+" is Palindrome");
14 } else {
15 alert(s+" is not a Palindrome");
16 }
17 }
18 </script>
19
20 <form >
21 Enter a String:
22 <input type="text" id="s" name="string" /><br />
23 <input type="submit" value="Check" onclick="palindrome()"/>
24 </form>
25 </body>
26 </html>
```

Line 19, Column 1   Tab Size: 4   HTML

File /home/ridhima/Desktop/palin.html?string=rar

Enter a String: hello
Check

This page says

hello is not a Palindrome

OK

3.Area of circle

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```html
1  <html>
2  <body>
3
4
5  <script language="javascript">
6
7      function f()
8      {
9      var d=f1.t1.value;
10     document.write("Area of circle is " +(22/7)*d*d+" units.");
11     }
12
13 </script>
14
15 <form name="f1">
16 Enter a value for radius :
17 <input type="number" name="t1">
18 <br>
19 <input type="submit" onclick ="f()">
20 </form>
21
22 </body>
23 </html>
```

Area of circle is 78.57142857142857 units.

4.Copy information of one object to another and log it to console.
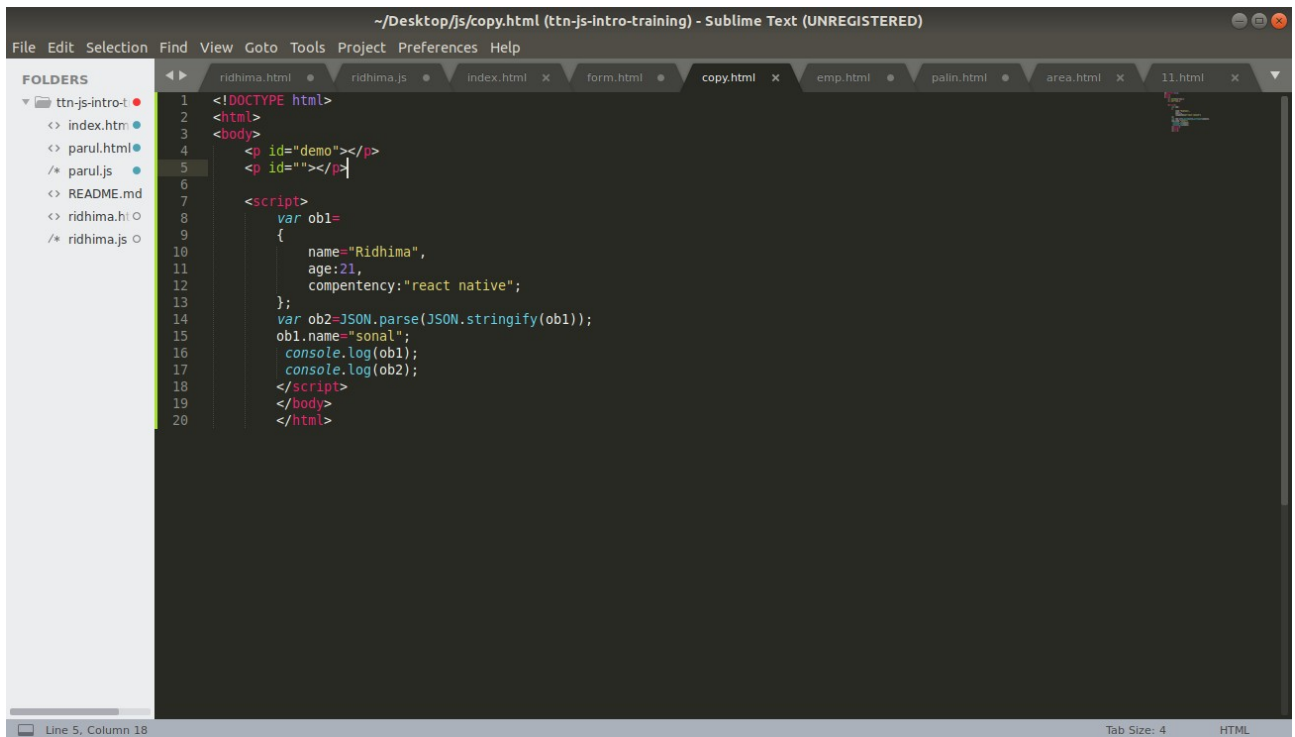

```html
<!DOCTYPE html>
<html>
<body>
    <p id="demo"></p>
    <p id=""></p>

    <script>
        var ob1=
        {
            name="Ridhima",
            age:21,
            compentency:"react native";
        };
        var ob2=JSON.parse(JSON.stringify(ob1));
        ob1.name="sonal";
        console.log(ob1);
        console.log(ob2);
    </script>
    </body>
    </html>
```

5.

```html
<!DOCTYPE html>
<html>

<body>

    <table id="filter">

    </table>

    <script>

        // -- This is first part.-->

        var Employee =
        [
            {Name:"Rohit", age: 22, salary: 3000, DOB: "17/02/1998"},
            {Name:"Ridhima", age: 21, salary: 5000, DOB: "12/02/1998"},
            {Name:"Naveen", age: 25, salary: 4000, DOB: "03/04/1995"},
            {Name:"Ishrat", age: 25, salary: 2000, DOB: "27/06/1997"},
            {Name:"Mark", age: 21, salary: 500, DOB: "12/01/2000"},
            {Name: "Sonal", age: 20, salary: 3000, DOB: "11/04/2000"}
        ];


        // This is 2nd part.-->

        let x = Employee.filter(data =>{
            console.log(data.salary>5000);
            return data.salary>5000;

        });
    console.log(x);


    //Part 3.-->
    const groups= Employee.reduce((Employee, a) => ({
        ...Employee,
```

```html
    //Part 3.-->
    const groups= Employee.reduce((Employee, a) => ({
        ...Employee,
        [a.age]: [...(Employee[a.age] || []), a]
    }), {}
    );

console.log(groups);
/*

    let b = Employee.filter(data =>{
        let output= data.filter(d =>{
            return d.age>20;
        })
    });
*/

    //Part 4: -->
    var out = [];
    for(var i =0; i<Employee.length; i++)
    {
        if(Employee[i].salary <1000 && Employee[i].age>20)
            {
                out.push(Employee[i]);
            }
    }

    console.log(out);

    </script>
</body>
</html>
```