q1 Prompt for amount, interest rate and no. of years and calculate simple interest.

Code :

```html
<!Doctype html>
<html>
<head>
<title> prompt create</title>
<script>
function prom(){
var sintrest;
var amount=prompt("enter the amount");
var rate =prompt("enter the Intrest rate");
var year =prompt("enter total number of years");
if(amount==null || amount=="")
{
alert("invalid data , try again");
}
else if( rate==null|| rate==""){
alert("invalid data, try again");
}
else if( year == null || year=="")
{
alert("invalid data , try again");
}
else
{
sintrest= amount*rate*year;
console.log('ghfhfhggh', document.getElementById("i1"));
document.getElementById("i1").value=amount;
document.getElementById("i2").value=rate;
document.getElementById("i3").value=year;
document.getElementById("res").value=sintrest;
}
}

</script>
</head>
<body>
<h1> click and enter details</h1>
<button onclick="prom()"> enter details</button>
<center>
<table>
<tr><td> amount </td><td><input type="text" id= "i1"></td></tr>
<tr><td> intrest rate </td><td><input type="text" id="i2"></td></tr>
<tr><td> Time </td><td><input type="text" id="i3"></td></tr>
```
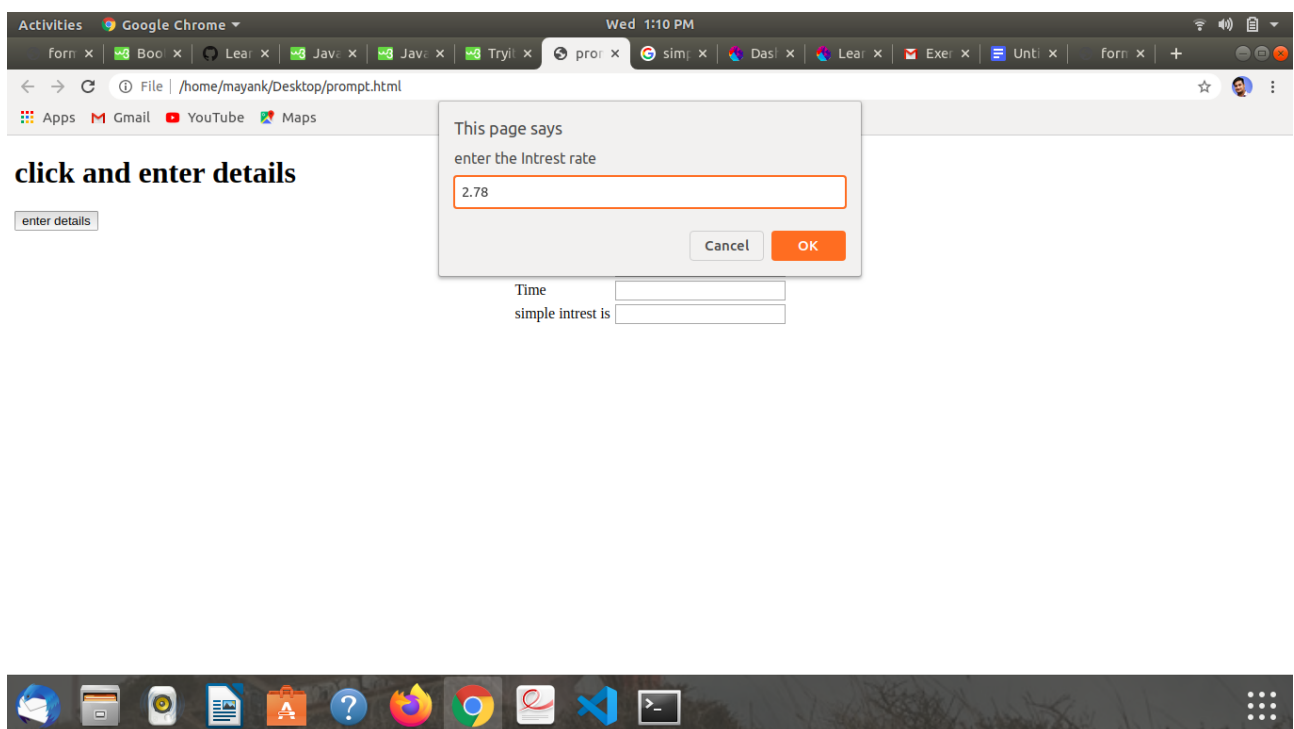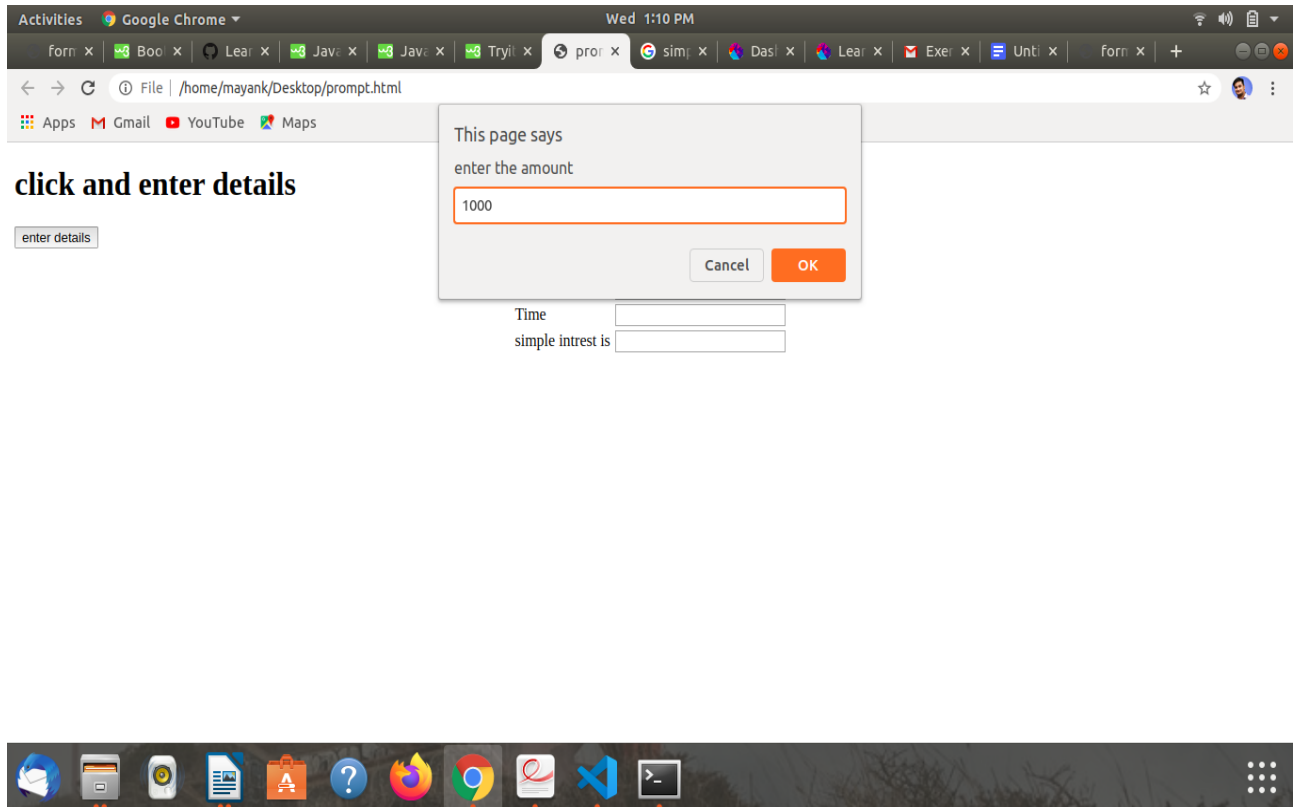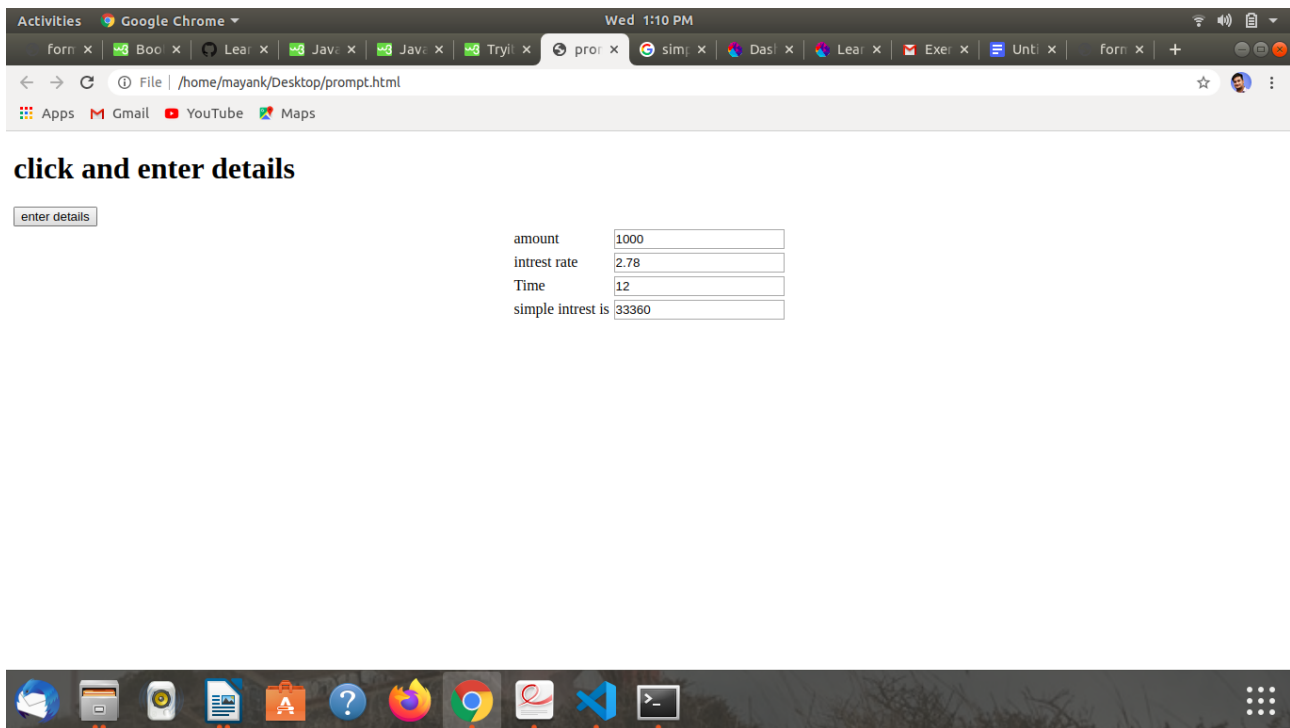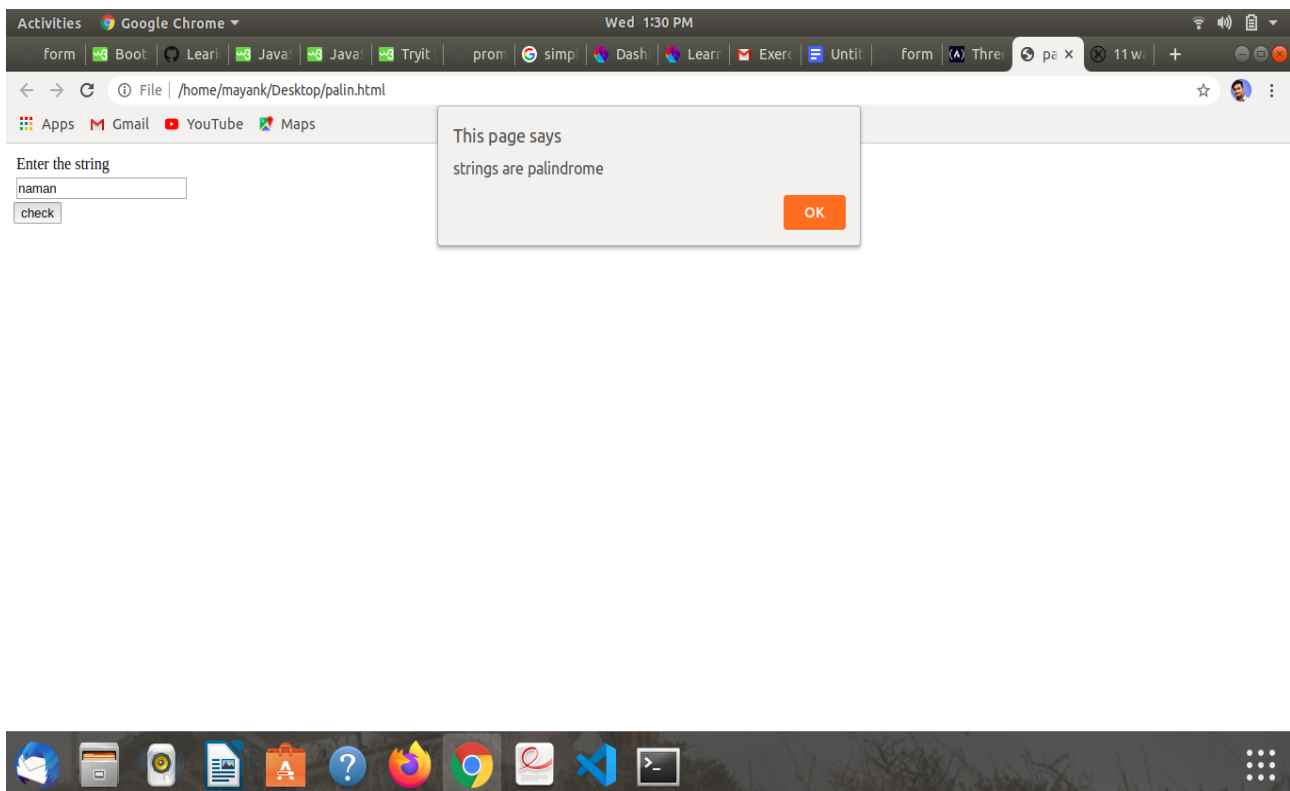
`<tr><td>`simple intrest is `</td><td><input type="text" id ="res"></td></tr>`
`</table>`

`</center>`
`</body>`
`</html>`
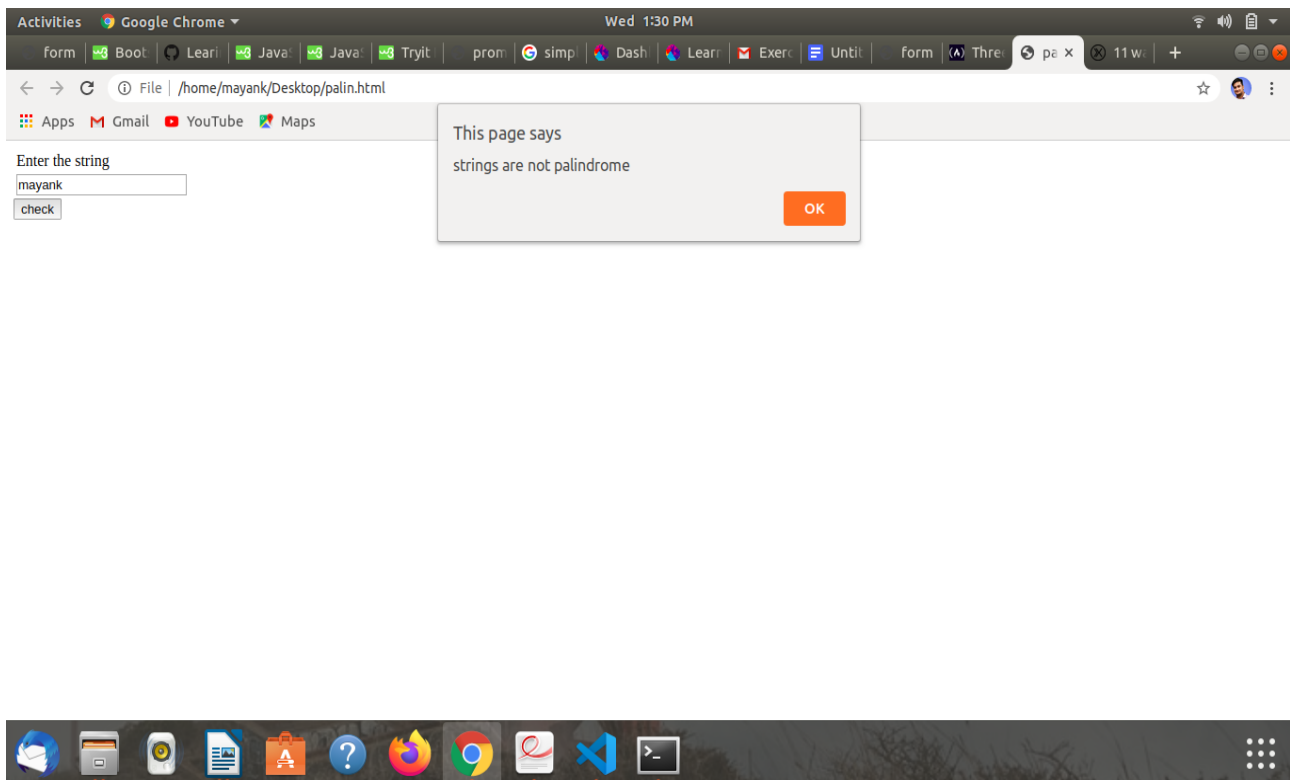
Que 2 . Is Palindorme string

```html
<!DOCTYPE html>
<html>
<head>
<title>
palindrome string
</title>
<script>
function pailn(){
function reverseString(str) {
return str.split("").reverse().join("");}
var v1 , v2;
v1=document.getElementById("t1").value;
v2= reverseString(v1)
if(v1==v2)
{
alert("strings are palindrome ");
}
else
{
alert("strings are not palindrome")
}
}
</script>
</head>
<body>
<table>
<tr><td>Enter the string </td></tr>
<tr><td><input type="text" id="t1"></td></tr>
```
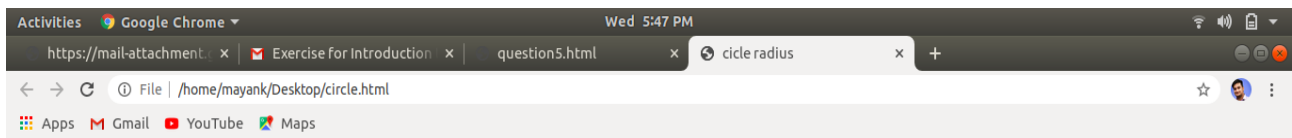
```
</table>
<button onclick="pailn()"> check </button>
</body>
</html>
```

Q3 Calculate area of circle

```html
<!DOCTYPE html>
<html>
<head>
<title> cicle radius</title>
<script>
function area(){
var radius;
radius=document.getElementById("num").value;
document.getElementById("tex1").value= 3.14 * radius*radius;
}
</script>
</head>
<body>
<h3> Eneter the radius of the circle </h3>
<input type="number" id="num">
<button onclick="area()">calculate area </button>
<h3> The area is </h3>
<textarea id="tex1"></textarea>
</body>
</html>
```
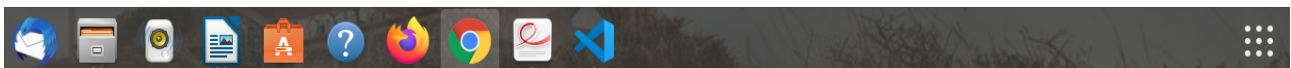
Q4. Copy Information of one log to another and read it to console

```html
<!DOCTYPE html>
<html>
<head>
<title> objects copy </title>
<script>
var employee_details={
name:"Mayank Goyal",
Competancy:"Drupal",
Designation:"trainee",
DOJ:"03-02-2020"
};
var d2=Object.assign({},employee_details);
function display(){
document.getElementById("nm").value =d2.name;
document.getElementById("ct").value = d2.Competancy;
document.getElementById("des").value=d2.Designation;
document.getElementById("DOJ").value=d2.DOJ;
}
</script>
</head>
<body>
<table>
<tr><td> Name </td><td><input type="text" id="nm"></td></tr>
<tr><td> Competancy </td><td><input type="text" id="ct"></td></tr>
<tr><td> Designation </td><td><input type="text" id="des"></td></tr>
<tr><td> DOJ </td><td><input type="text" id="DOJ"></td></tr>
<tr><td><button onclick="display();">see</button></td></tr>
</table>
</body>
</html>
```

Name   [   ]
Competancy   [   ]
Designation   [   ]
DOJ   [   ]
[see]

Name   [Mayank Goyal   ]
Competancy   [Drupal   ]
Designation   [trainee   ]
DOJ   [03-02-2020   ]
[see]

Q5 create a list of objects of Employee with info as follow :

  •Name, age, salary ,DOB

  •filter all employees with salary greater than 5000

  •group employee on the basis of their age

  •fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary

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

<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Today's Date</title>
<script>
function Employee(name,age,salary,DOB){
this.Name=name;
this.Age=age;
this.Salary=salary;
this.dob=DOB;
}
var employee1=new Employee("Mayank",22,15000,'07-jul-1997');
var employee2=new Employee("Karan",21,40000,'01-Aug-1998');
var employee3=new Employee("chetan",23,45000,'12-Dec-1997');
var employee4=new Employee("Vinay",28,2000,'22-mar-1995');
var employee5=new Employee("Risabh",40,90000,'25-mar-1985');
var question1 =[];

var obj=new Array();

obj.push(employee1);
obj.push(employee2);
obj.push(employee3);
obj.push(employee4);
obj.push(employee5);
for (var j = 0; j < obj.length; j++){
if (obj[j].Salary>=5000){
question1.push(obj[j].Name);
}

}
/*for (var key in obj){
console.log(key.Salary);
if (key.Salary>=5000){
question1.push(key.Name);

}
}
*/
console.log(question1);

var below30=[];
var above30=[];

for (var j = 0; j < obj.length; j++){
if (obj[j].Age<=30){
below30.push(obj[j].Name);
}
```

```
}

for (var j = 0; j < obj.length; j++){
if(obj[j].Age>30){
above30.push(obj[j].Name);
}
}
console.log("people with age below 30 are :\n");
console.log(below30);
console.log("\n");
console.log("people with age above 30 are :\n");
console.log(above30);

var question3=[];

for (var j = 0; j < obj.length; j++){
if (obj[j].Salary<1000 && obj[j].Age>20){
obj[j].Salary=(obj[j].Salary)*5;

}
}
for (var j = 0; j < obj.length; j++){
console.log(obj[j].Salary+"\n")
}

</script>
</head>

<body>

</body>


</html>
```