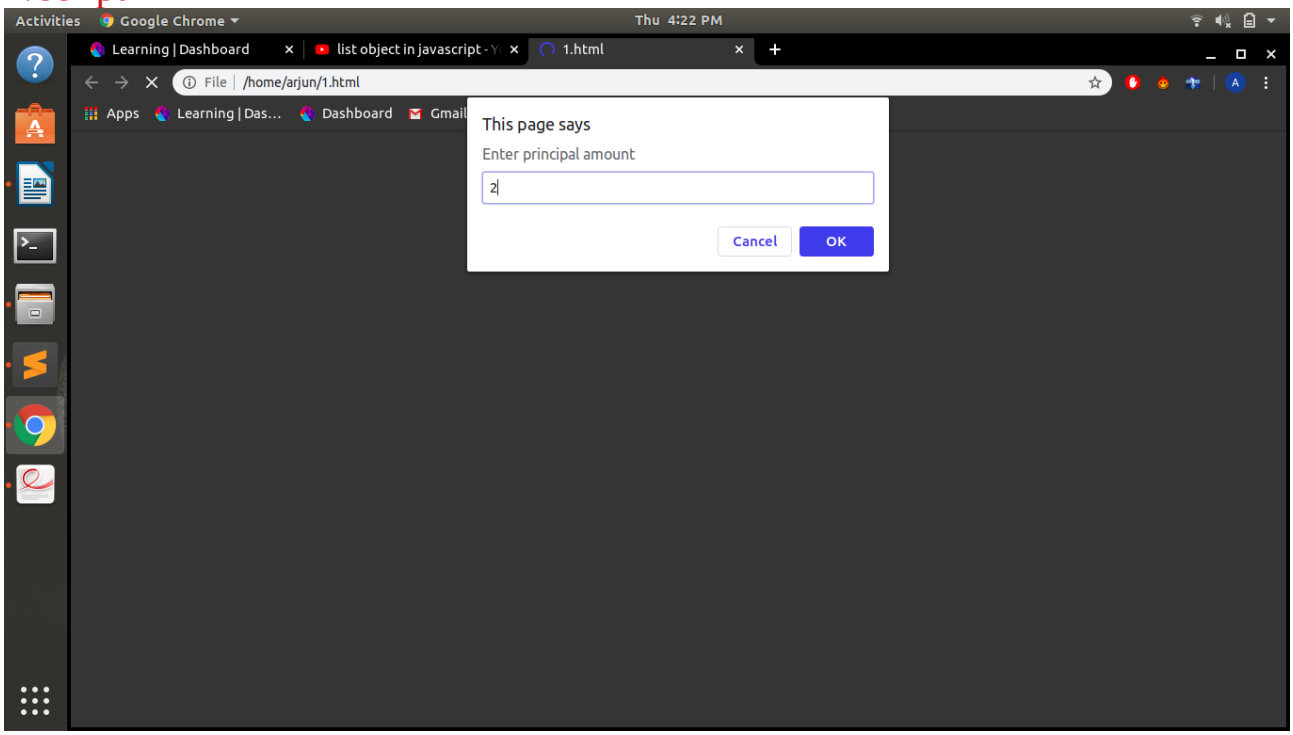
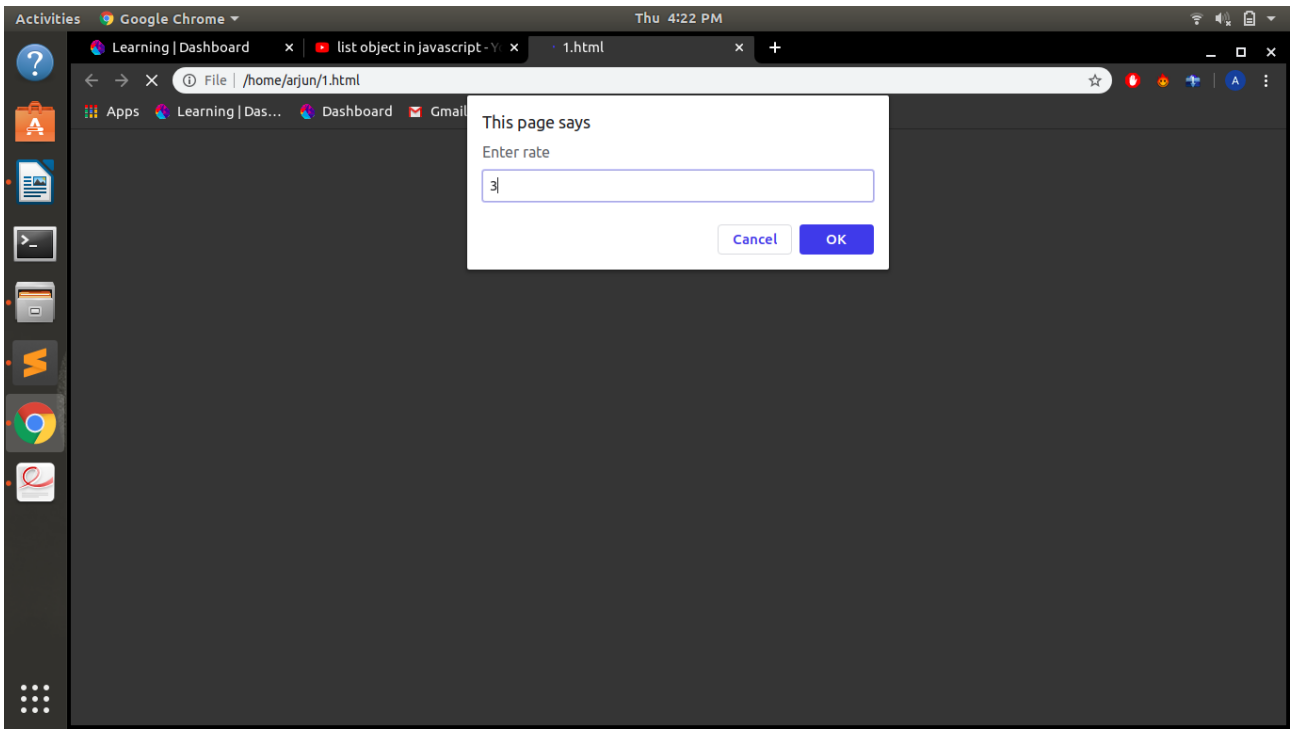
1.Prompt for amount, interest rate and no. of years and calculate simple interest.

```
<script>
var simple_intrest;
var principal_amount=prompt('Enter principal amount');
var rate=prompt('Enter rate');
var time=prompt('Enter time');
if(principal_amount=="" || rate=="" || time=="")
{
	document.write("please try again");
}
else
{
	simple_intrest=principal_amount*rate*time;
	document.write("simple_intrest : "+simple_intrest);
}
</script>
```




Activities
Google Chrome
Thu 4:22 PM
Learning | Dashboard
list object in javascript -
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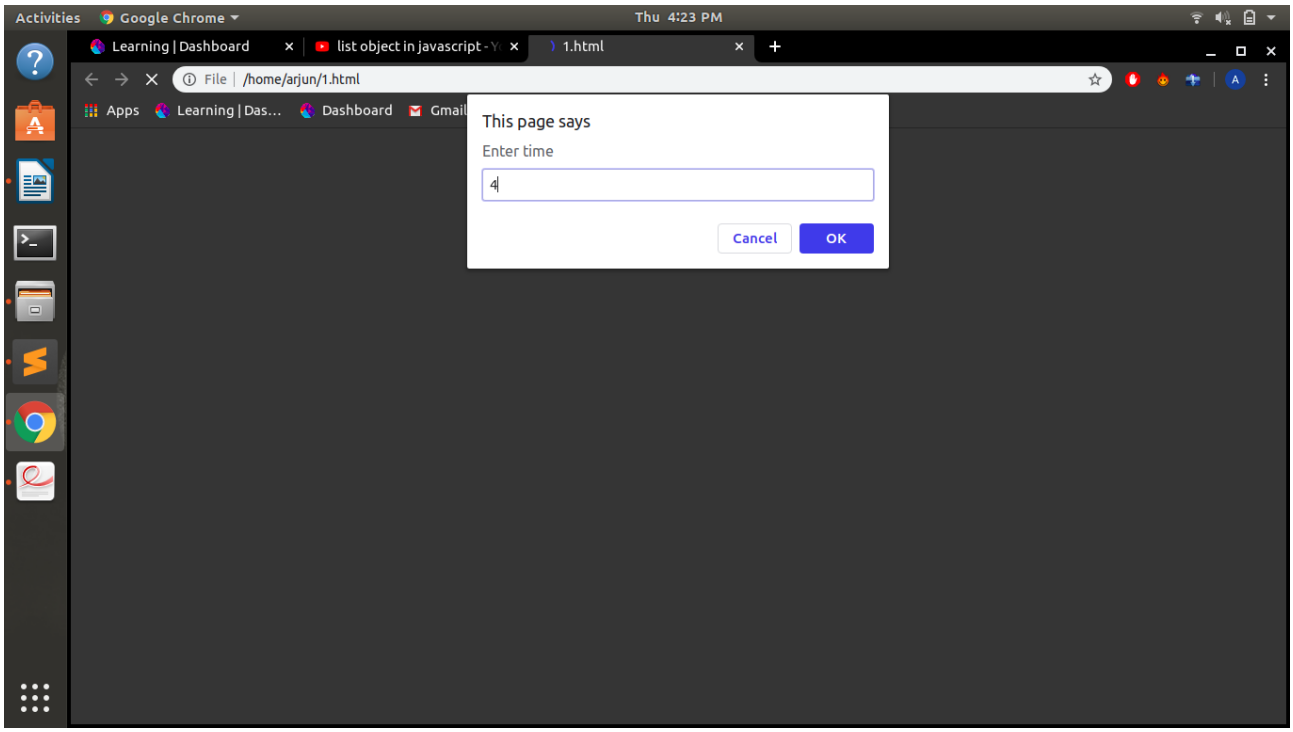
This page says
Enter rate
3
Cancel
OK


Activities
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Enter time
4
Cancel
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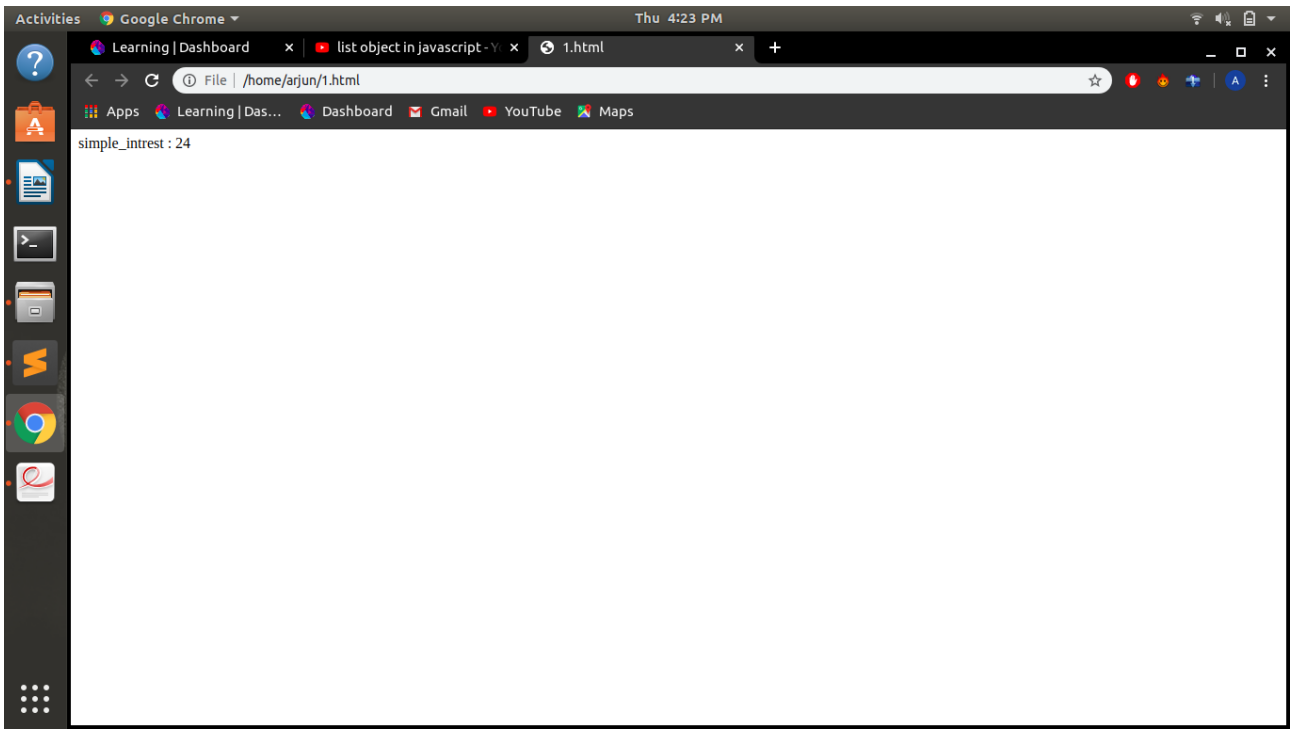
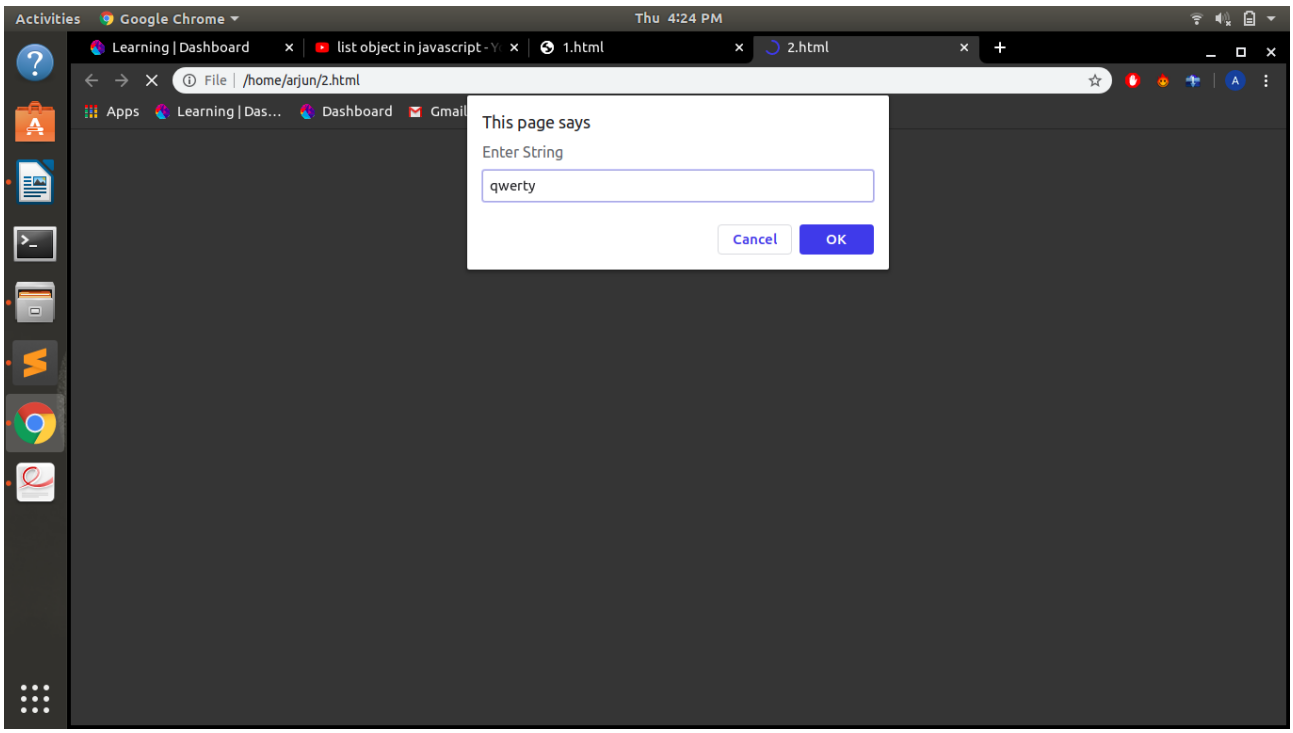


2.is palindrome string

```
<script>
var str=prompt('Enter String');
if(str=="")
{
	document.write("please try again");
}
else
{
	splitString = str.split("");
	reverseArray = splitString.reverse();
	joinArray = reverseArray.join("");
	if(str==joinArray)
	{
		document.write("palindrome");
	}
	else
	{
		document.write("not palindrome");
	}
}
</script>
```


Activities
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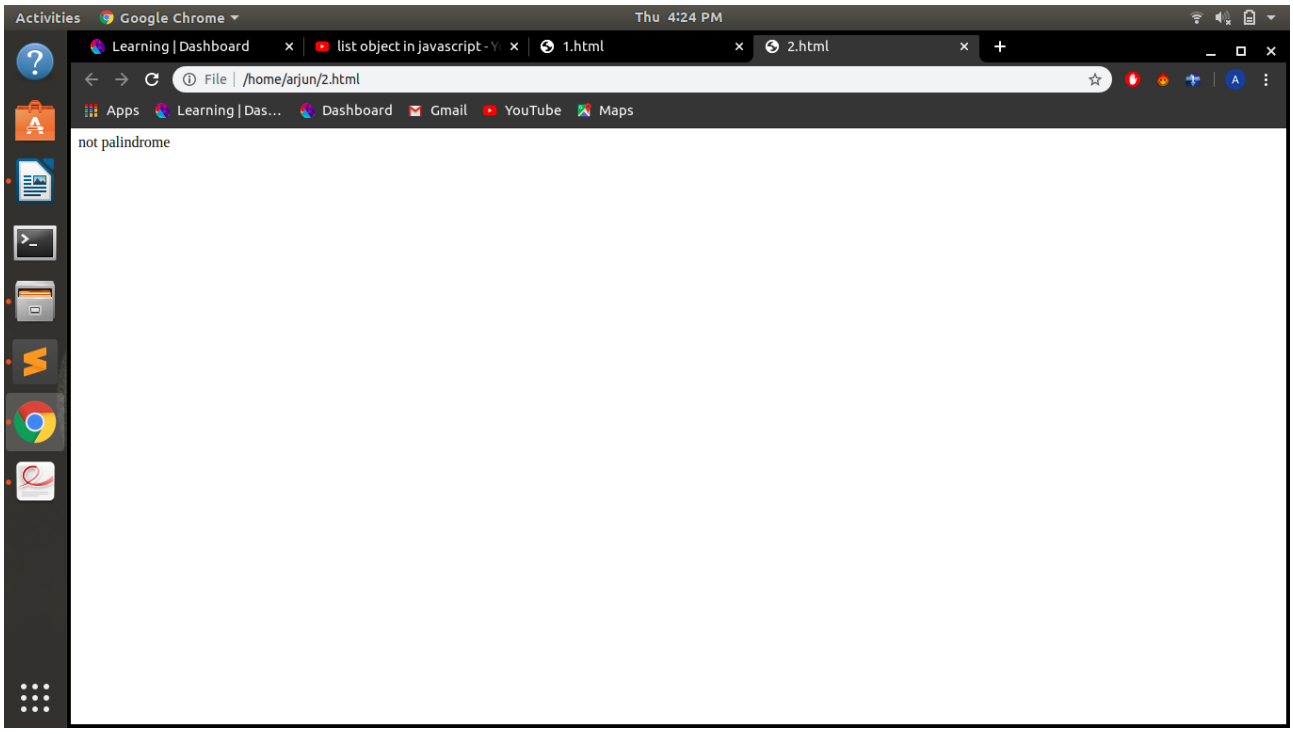
Cancel
OK


Activities
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list object in javascript -
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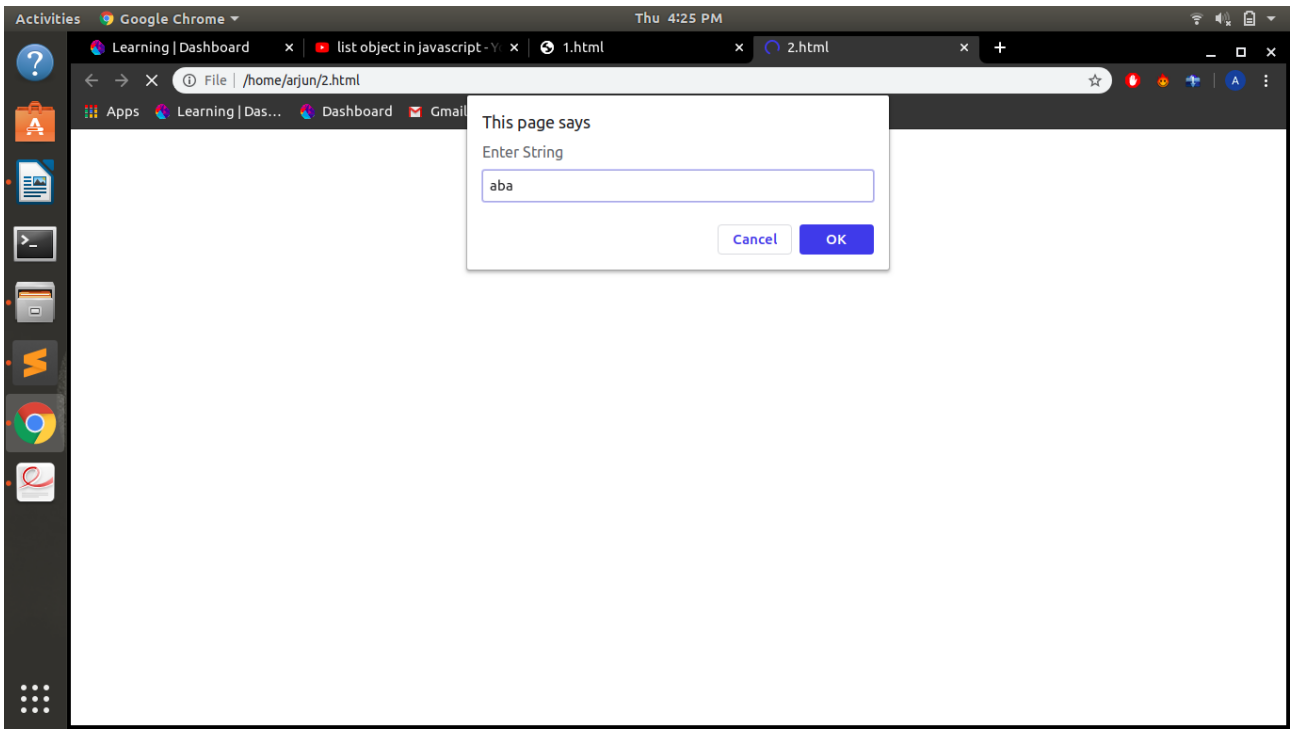
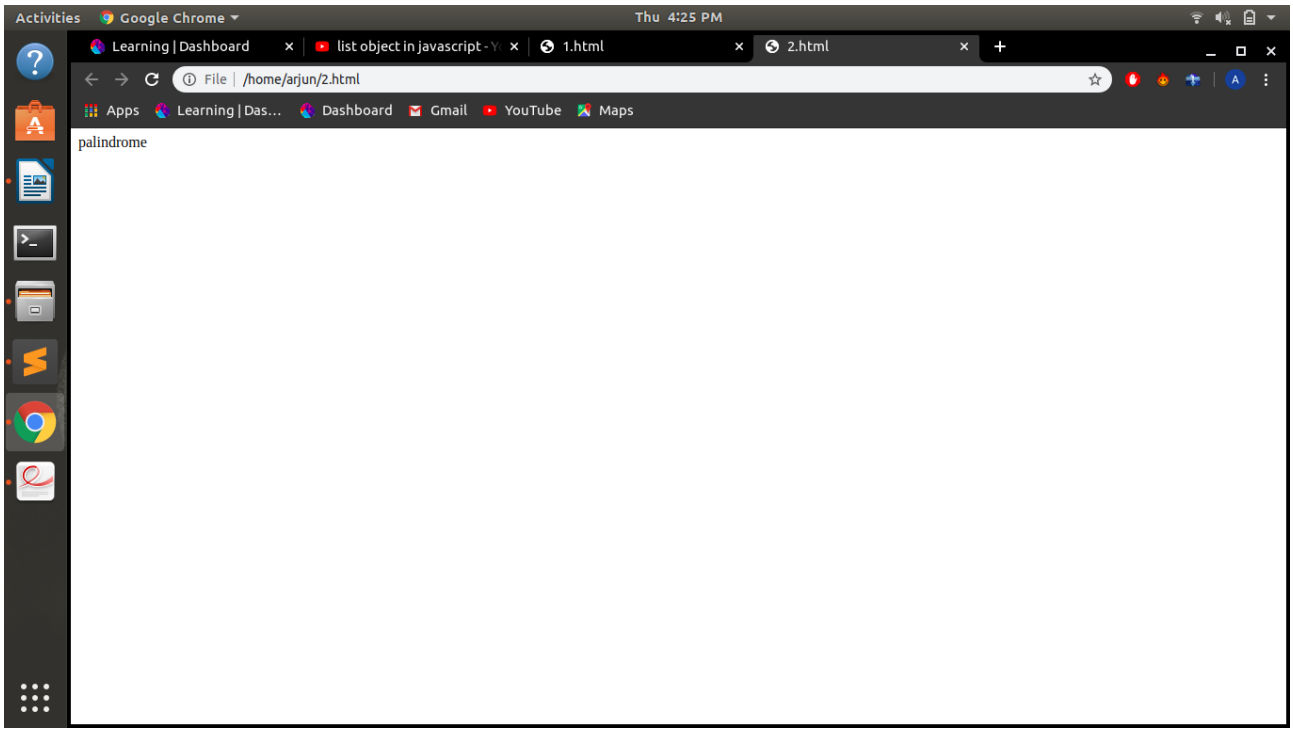
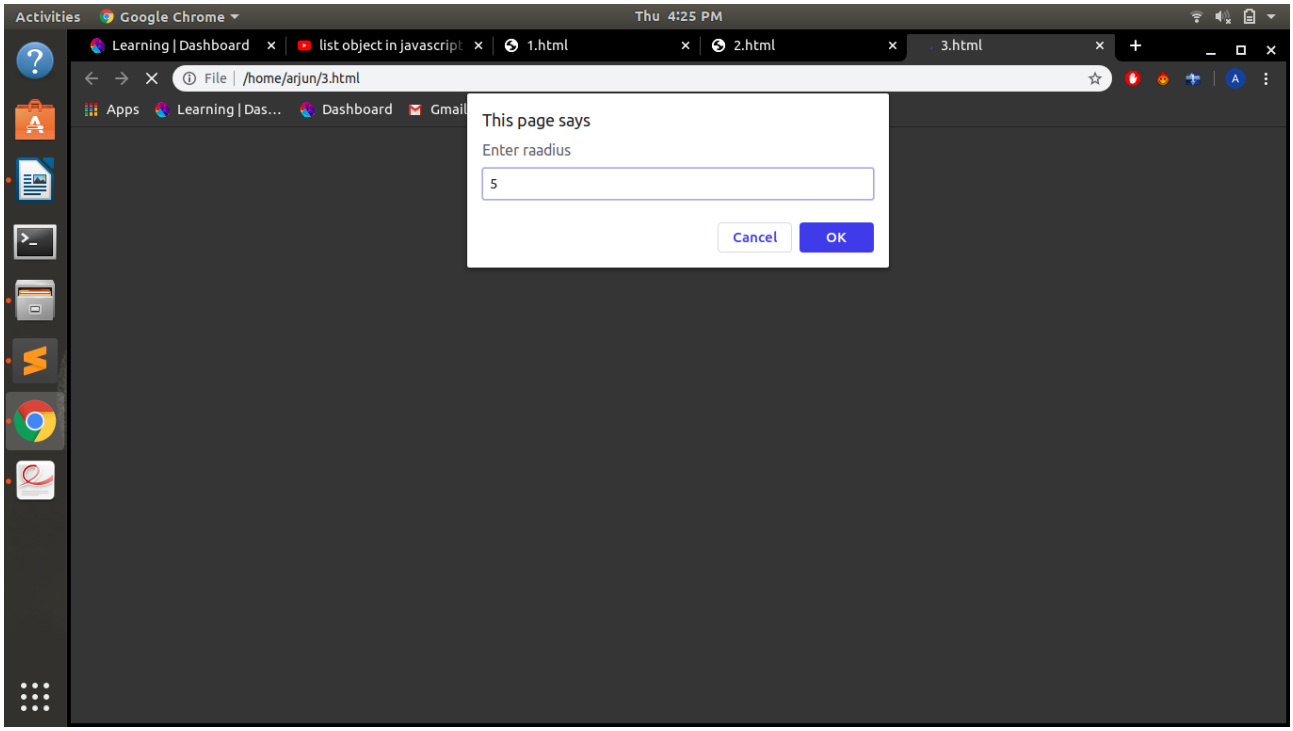


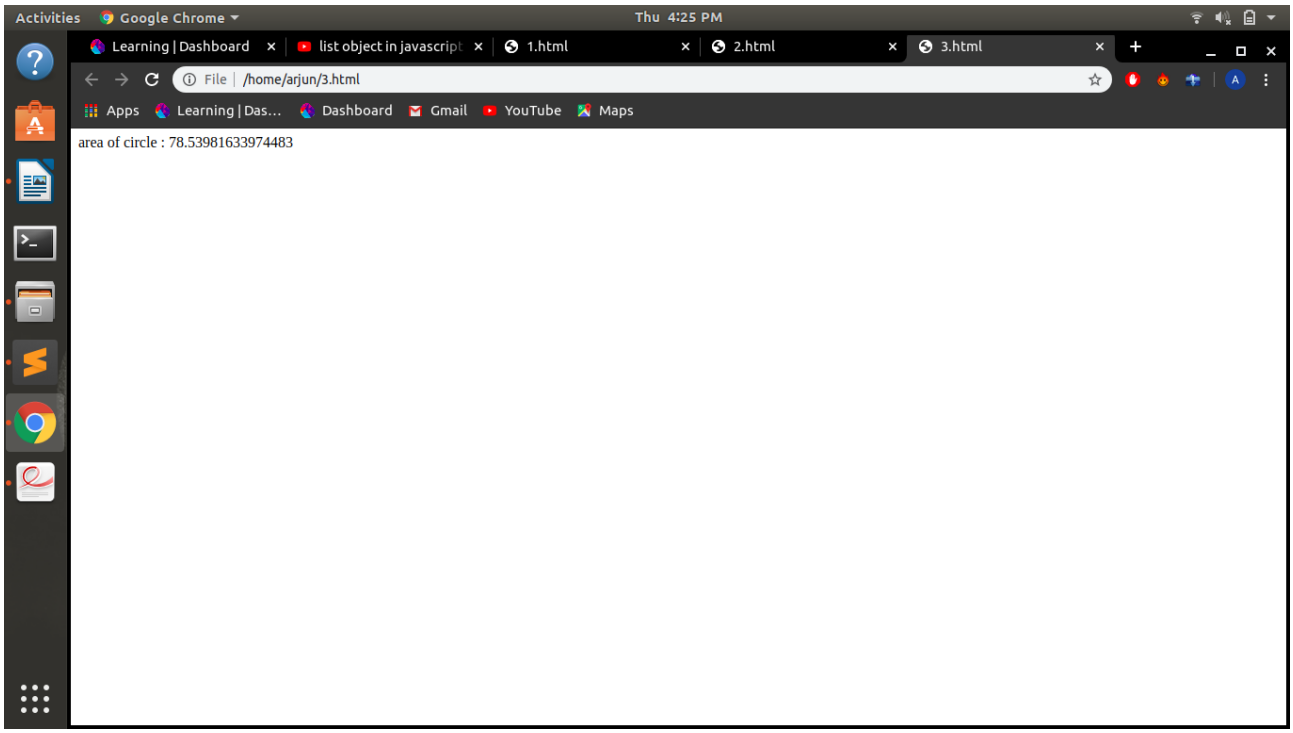


3.Area of circle

```
<script>
var radius=prompt('Enter raadius');
var pi=Math.PI;
if(radius=="")
{
        document.write("please try again");
}
```

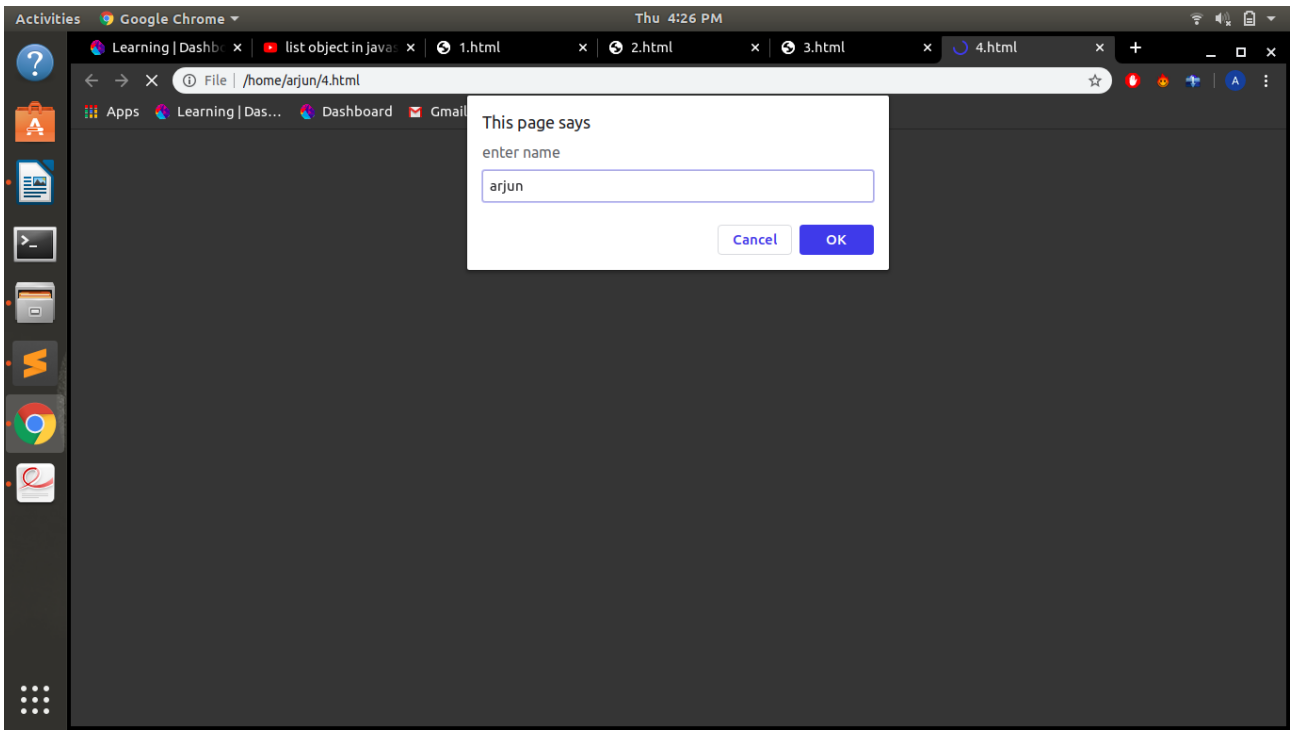
```
else
{
        var area=pi*radius*radius;
        document.write("area of circle : "+area);
}
</script>
```

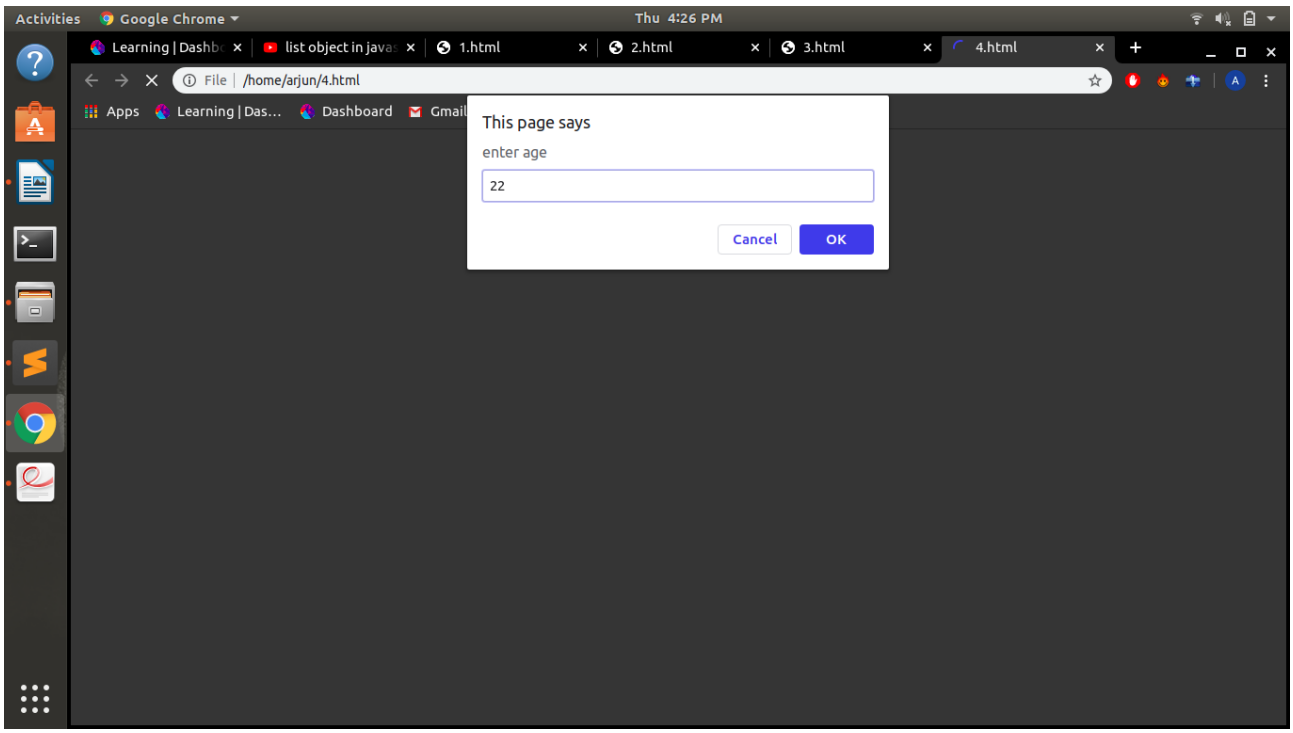




4.Copy information of one object to another and log it to console.

```
<script>
var obj1={};
obj1.name=prompt('enter name');
obj1.age=prompt('enter age');
obj1.salary=prompt('enter salary');
obj1.dob=prompt('enter dob');
document.write("object 1 : "+JSON.stringify(obj1));
var obj2={};
for(var key in obj1)
{
	obj2[key]=obj1[key];
}
// document.write("object 2 : "+JSON.stringify(obj2));
console.log(obj2);
</script>
```




Activities
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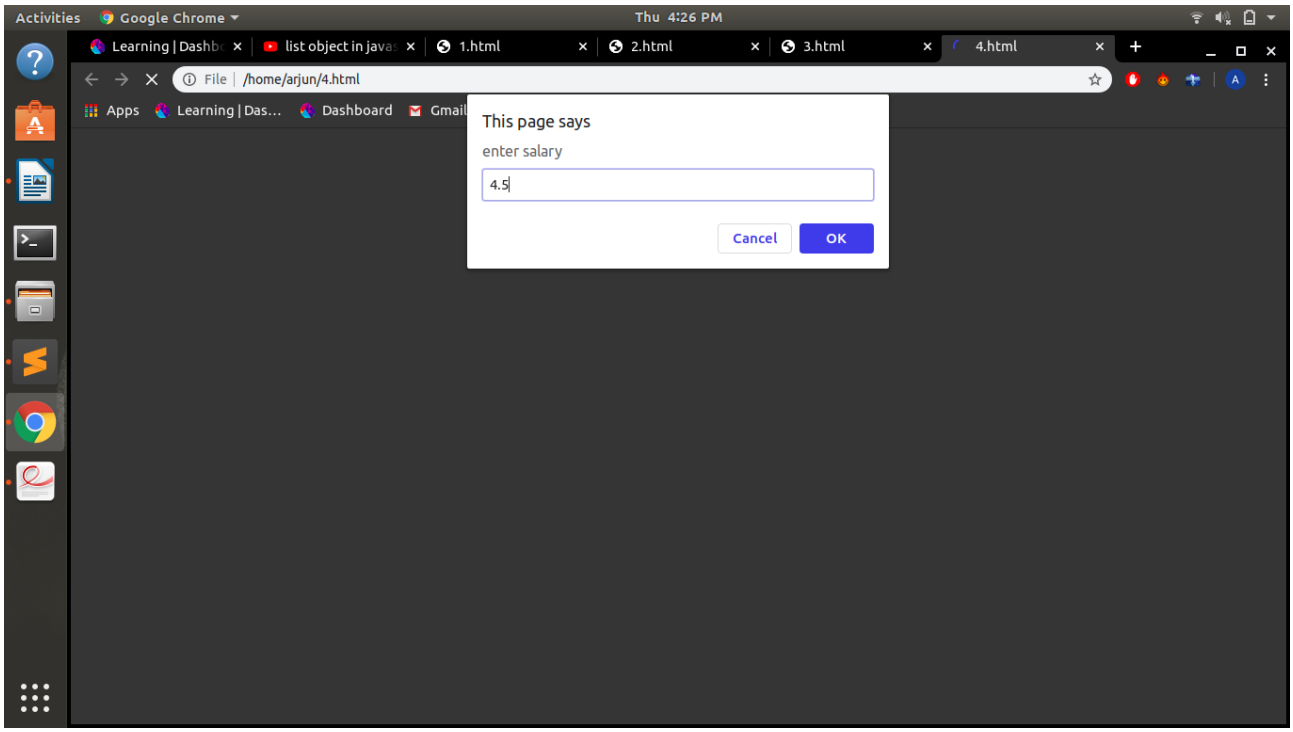
list object in java
1.html
2.html
3.html
4.html
File | /home/arjun/4.html
Apps
Learning | Das...
Dashboard
Gmail
This page says
enter age
22
Cancel
OK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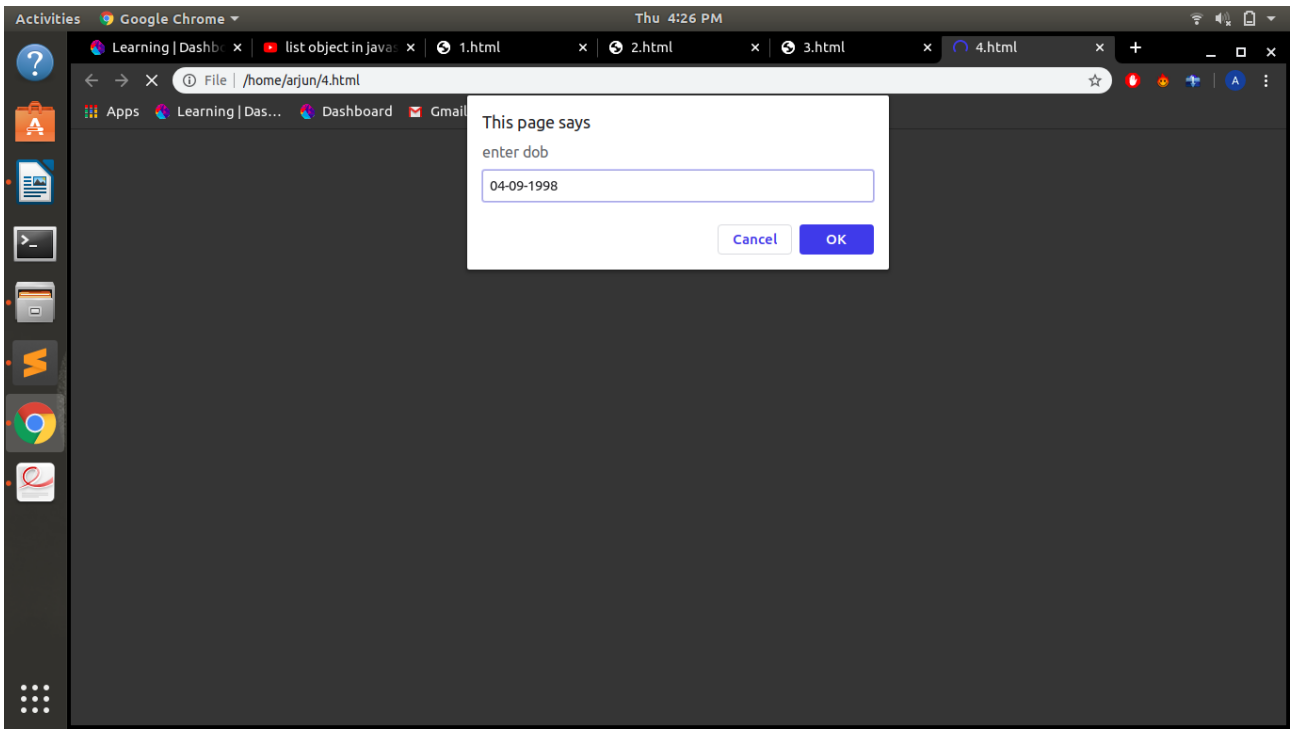
Gmail
This page says
enter salary
4.5
Cancel
OK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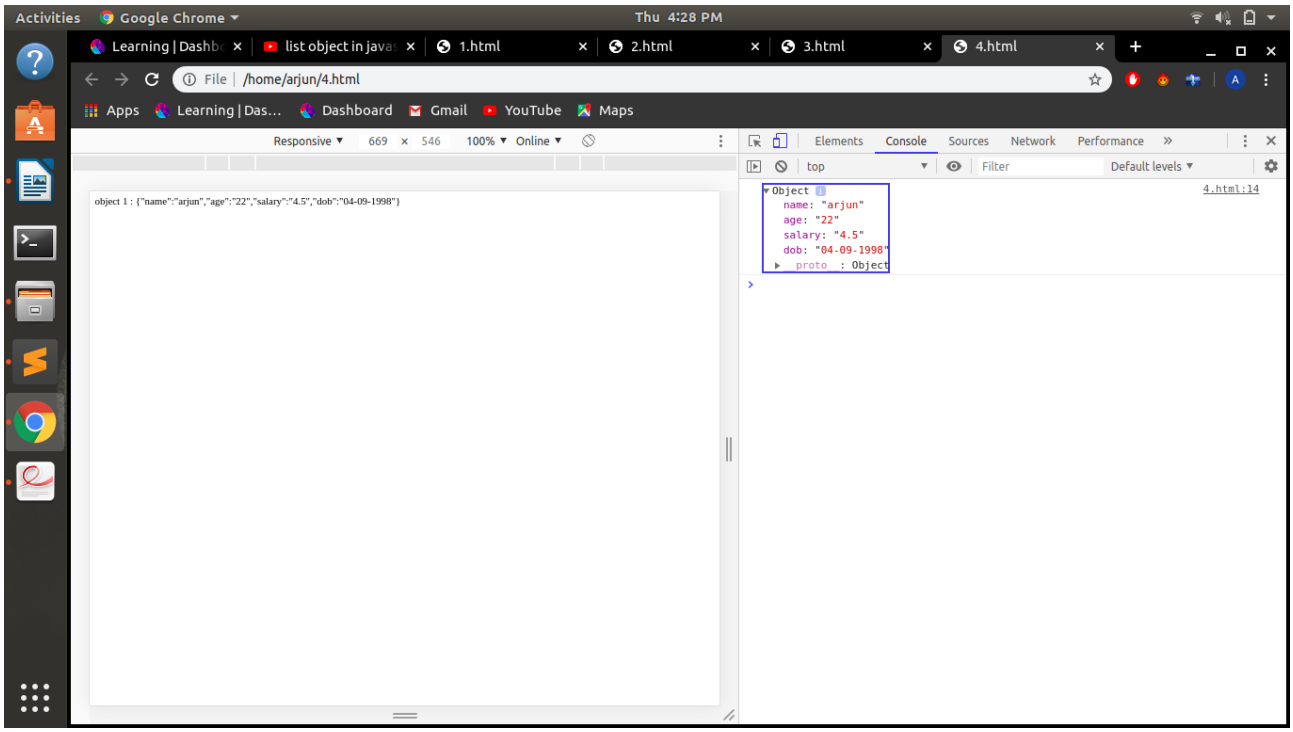
This page says
enter dob
04-09-1998
Cancel
OK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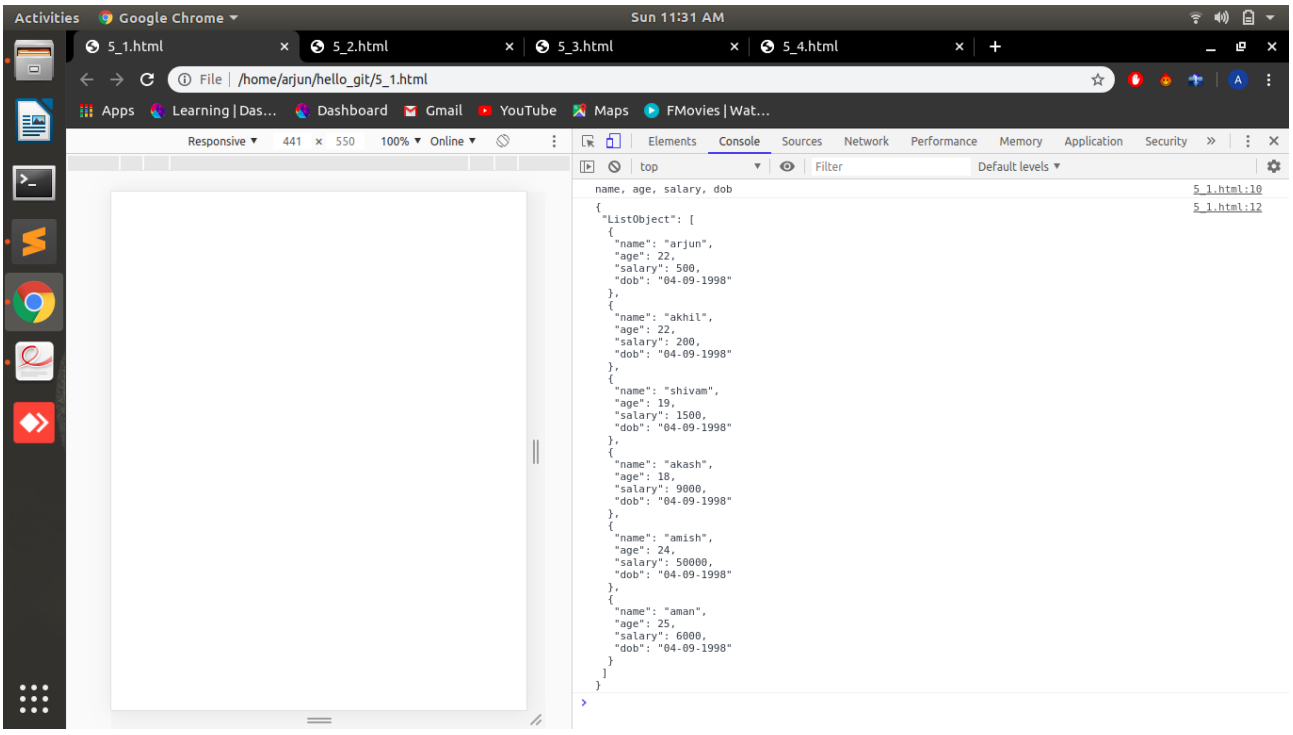
File | /home/arjun/4.html
Apps
Learning | Das...
Dashboard
Gmail
YouTube
Maps
Responsive
669 × 546
100%
Online
object 1 : {"name":"arjun","age":"22","salary":"4.5","dob":"04-09-1998"}
Elements
Console
Sources
Network
Performance
top
Filter
Default levels
4.html:14
Object
name: "arjun"
age: "22"
salary: "4.5"
dob: "04-09-1998"
__proto__ : Object

5.create a list of objects of Employee with info as follow :

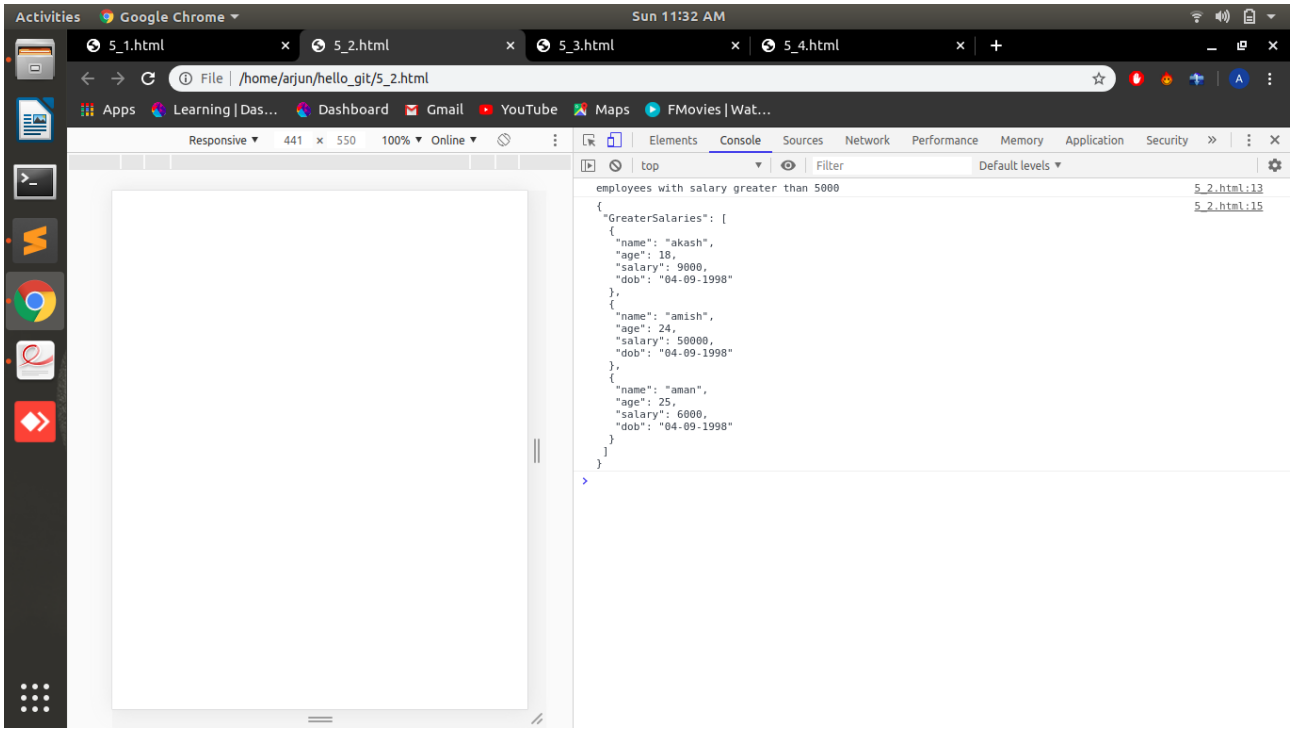
5.1.Name, age, salary ,DOB

```
<script>
        var list=[
    { name: 'arjun', age: 22, salary:500, dob:"04-09-1998" },
    { name: 'akhil', age: 22, salary:200, dob:"04-09-1998" },
    { name: 'shivam', age: 19, salary:1500, dob:"04-09-1998" },
    { name: 'akash', age: 18, salary:9000, dob:"04-09-1998" },
    { name: 'amish', age: 24, salary:50000, dob:"04-09-1998" },
    { name: 'aman', age: 25, salary:6000, dob:"04-09-1998" }
];
console.log("name, age, salary, dob");
// console.log(list);
console.log(JSON.stringify({ListObject:list,},null,1));
</script>
```



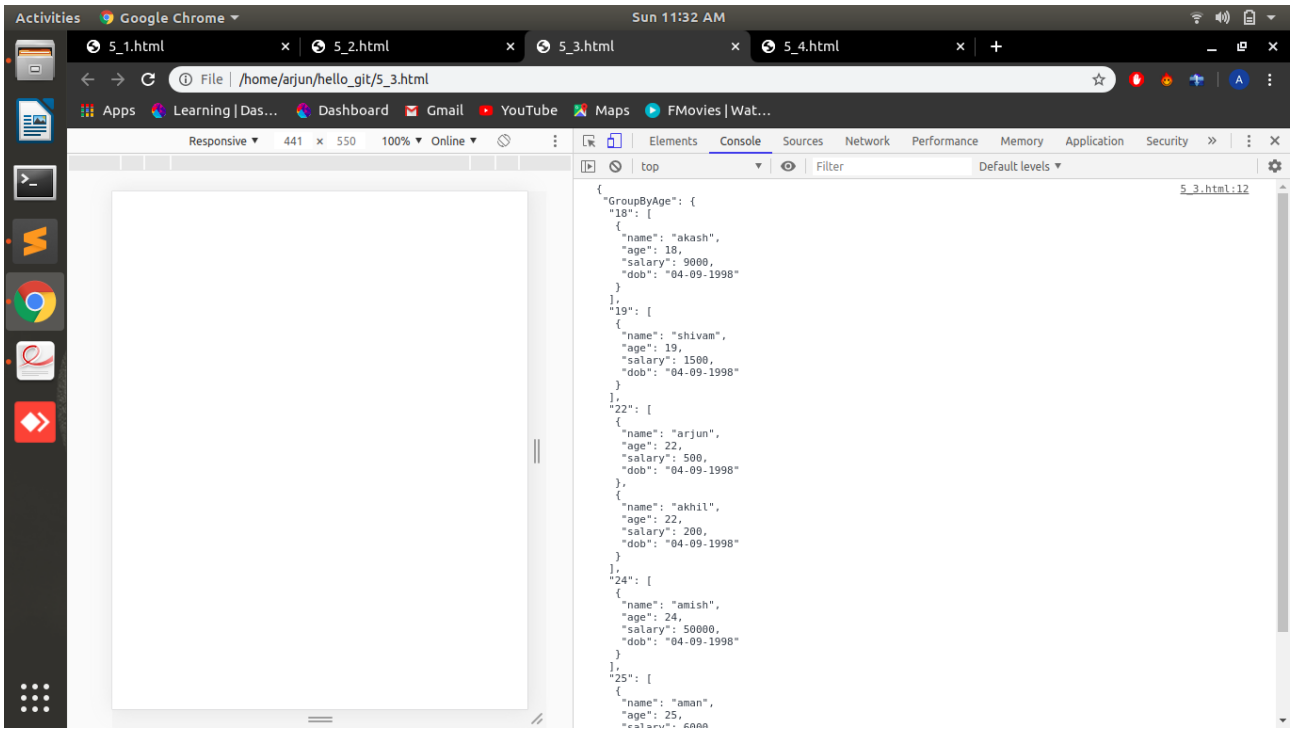
5.2.filter all employees with salary greater than 5000

```
<script>
        var list=[
    { name: 'arjun', age: 22, salary:500, dob:"04-09-1998" },
    { name: 'akhil', age: 22, salary:200, dob:"04-09-1998" },
    { name: 'shivam', age: 19, salary:1500, dob:"04-09-1998" },
    { name: 'akash', age: 18, salary:9000, dob:"04-09-1998" },
    { name: 'amish', age: 24, salary:50000, dob:"04-09-1998" },
    { name: 'aman', age: 25, salary:6000, dob:"04-09-1998" }
];
var salaries =  list.filter(function(msalary) {
        return msalary.salary > 5000;
});
console.log("employees with salary greater than 5000")
// console.log(salaries);
console.log(JSON.stringify({GreaterSalaries:salaries,},null,1));
</script>
```



5.3.group employee on the basis of their age

```
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/underscore.js/1.9.1/underscore.js">
</script>
<script>
        var list=[
    { name: 'arjun', age: 22, salary:500, dob:"04-09-1998" },
    { name: 'akhil', age: 22, salary:200, dob:"04-09-1998" },
    { name: 'shivam', age: 19, salary:1500, dob:"04-09-1998" },
    { name: 'akash', age: 18, salary:9000, dob:"04-09-1998" },
    { name: 'amish', age: 24, salary:50000, dob:"04-09-1998" },
    { name: 'aman', age: 25, salary:6000, dob:"04-09-1998" }
];
// console.log(_.groupBy(list, 'age'));
console.log(JSON.stringify({GroupByAge:_.groupBy(list, 'age'),},null,1));
</script>
```



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

```
<script>
        var list=[
    { name: 'arjun', age: 22, salary:500, dob:"04-09-1998" },
    { name: 'akhil', age: 22, salary:200, dob:"04-09-1998" },
    { name: 'shivam', age: 19, salary:1500, dob:"04-09-1998" },
    { name: 'akash', age: 18, salary:9000, dob:"04-09-1998" },
    { name: 'amish', age: 24, salary:50000, dob:"04-09-1998" },
    { name: 'aman', age: 25, salary:6000, dob:"04-09-1998" }
];
var emp =  list.filter(function(demo) {
        return demo.salary < 5000 && demo.age > 20;
});
for(var key1 in emp)
{
        emp[key1].salary=emp[key1].salary*5;
}
console.log("employees with greater age than 20 and less salary than 5000 with 5x salary");
// console.log(emp);
console.log(JSON.stringify({salaryIncrement:emp,},null,1));
</script>
```