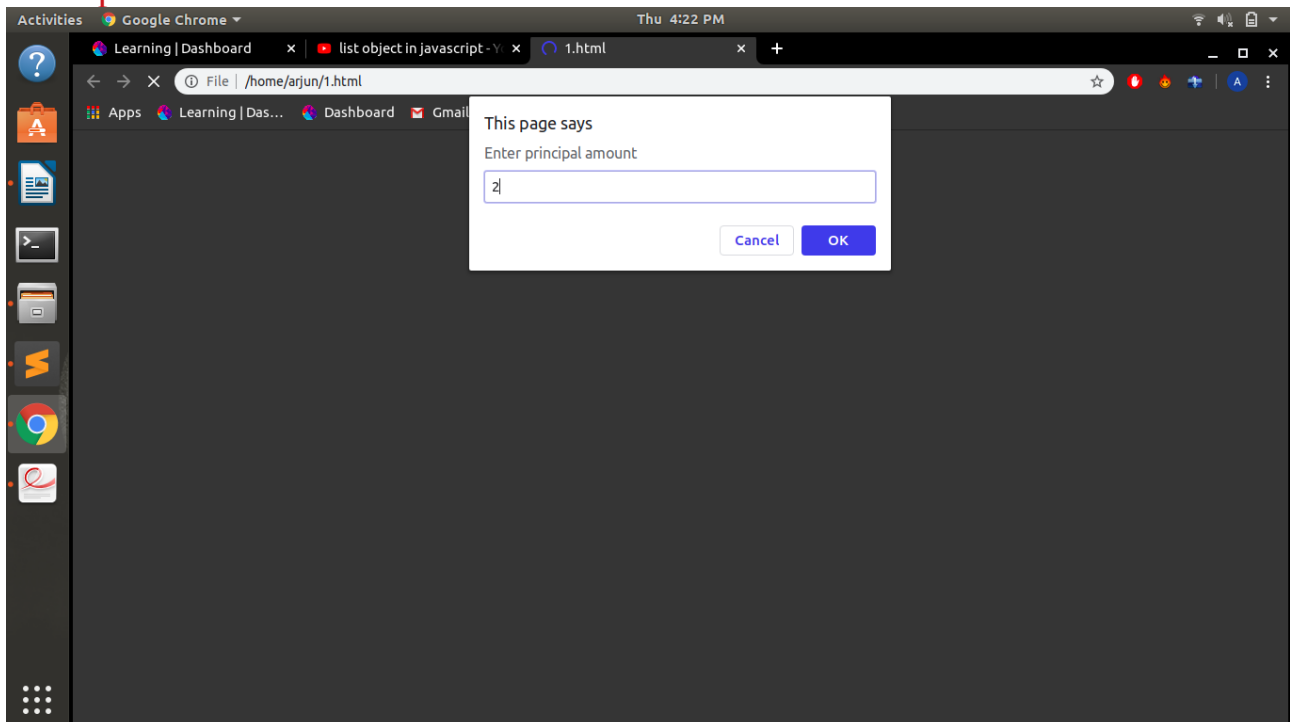
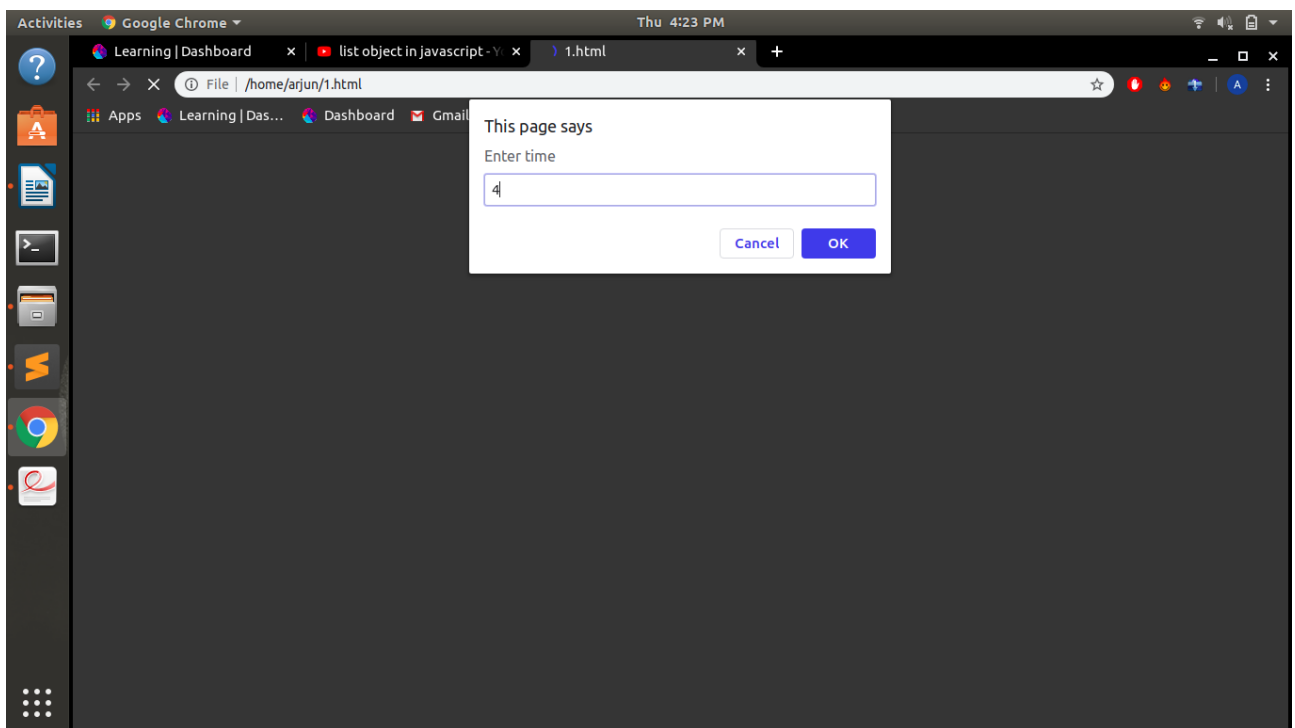
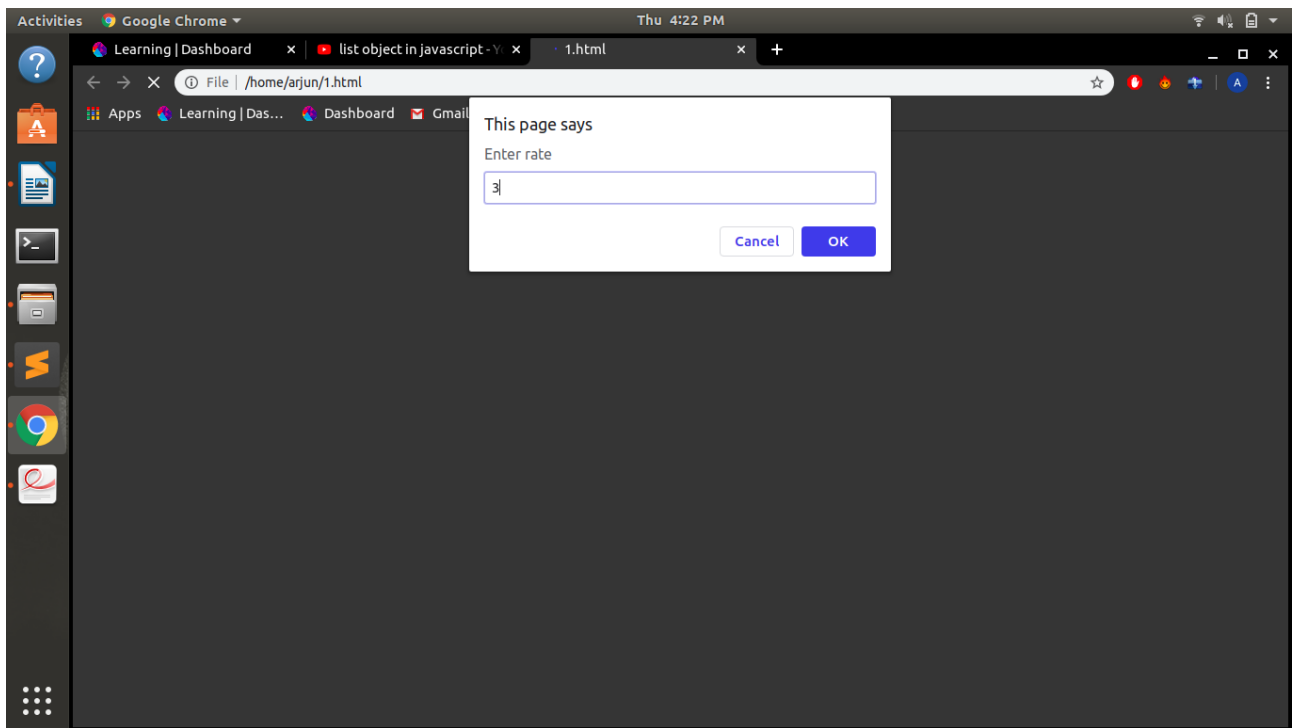
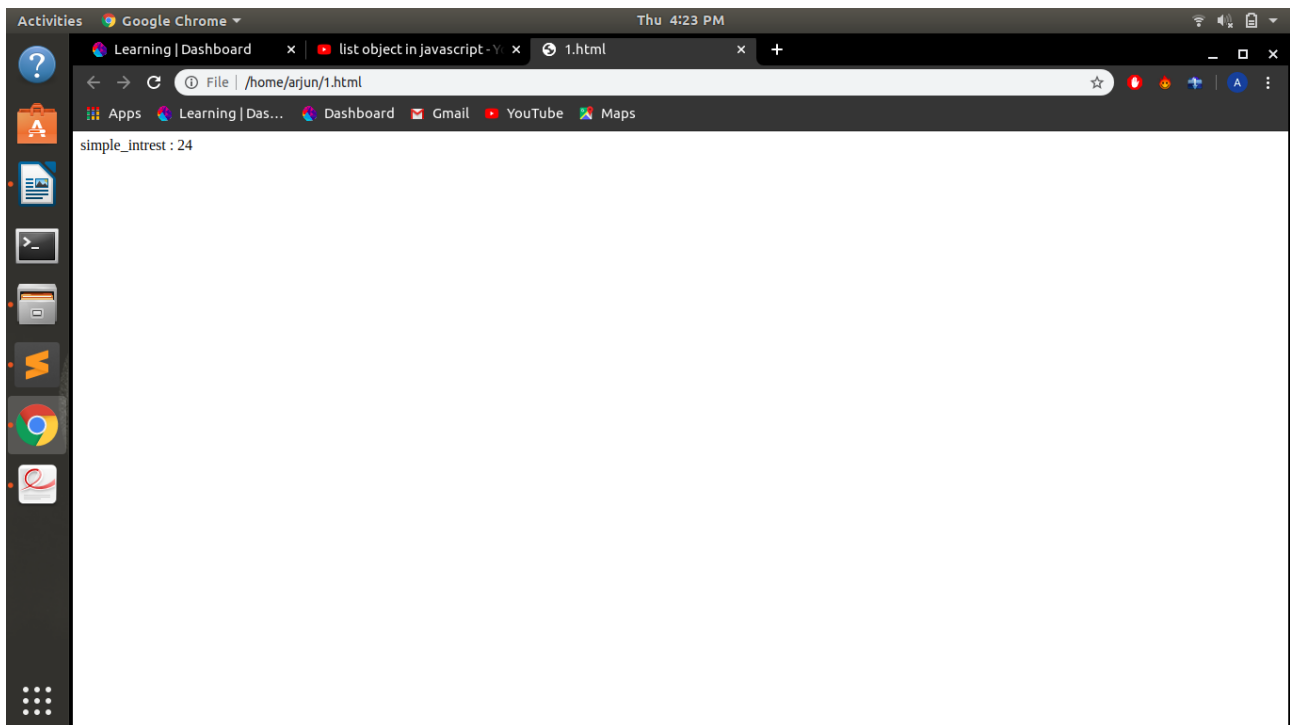


1. Prompt for amount, interest rate and no. of years and calculate simple interest.

```
<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>
```

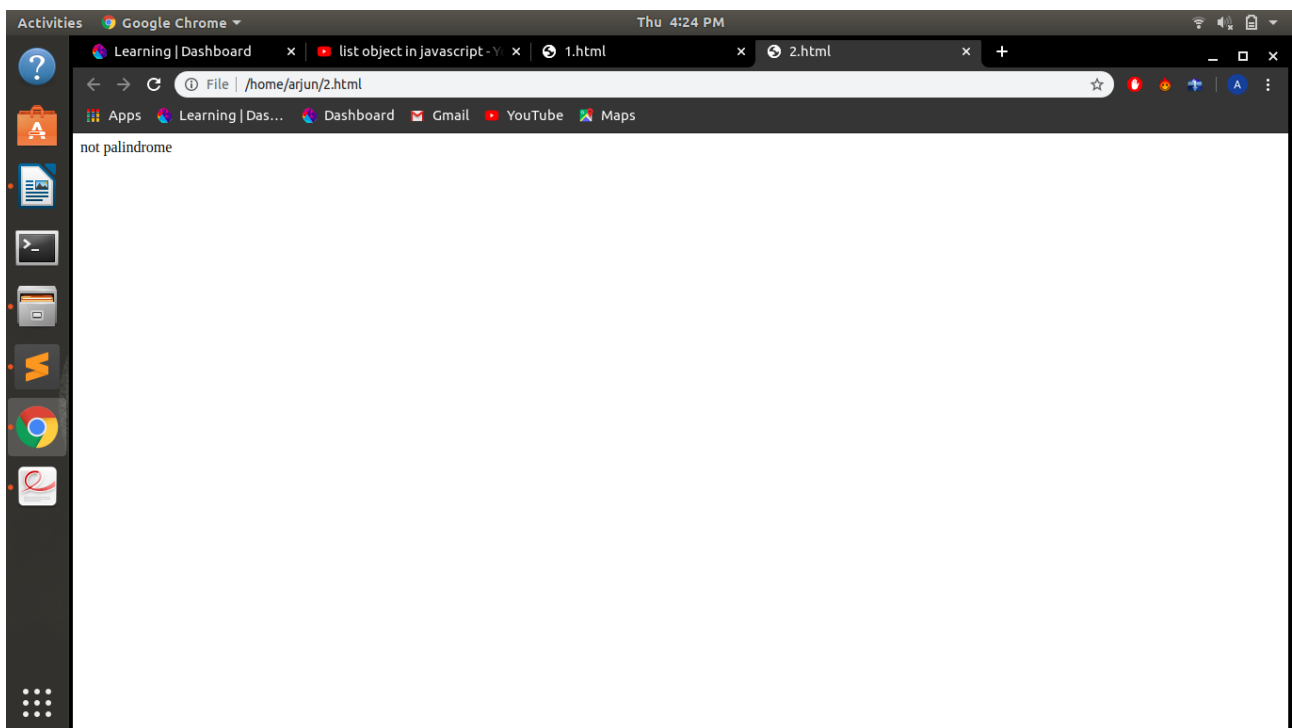
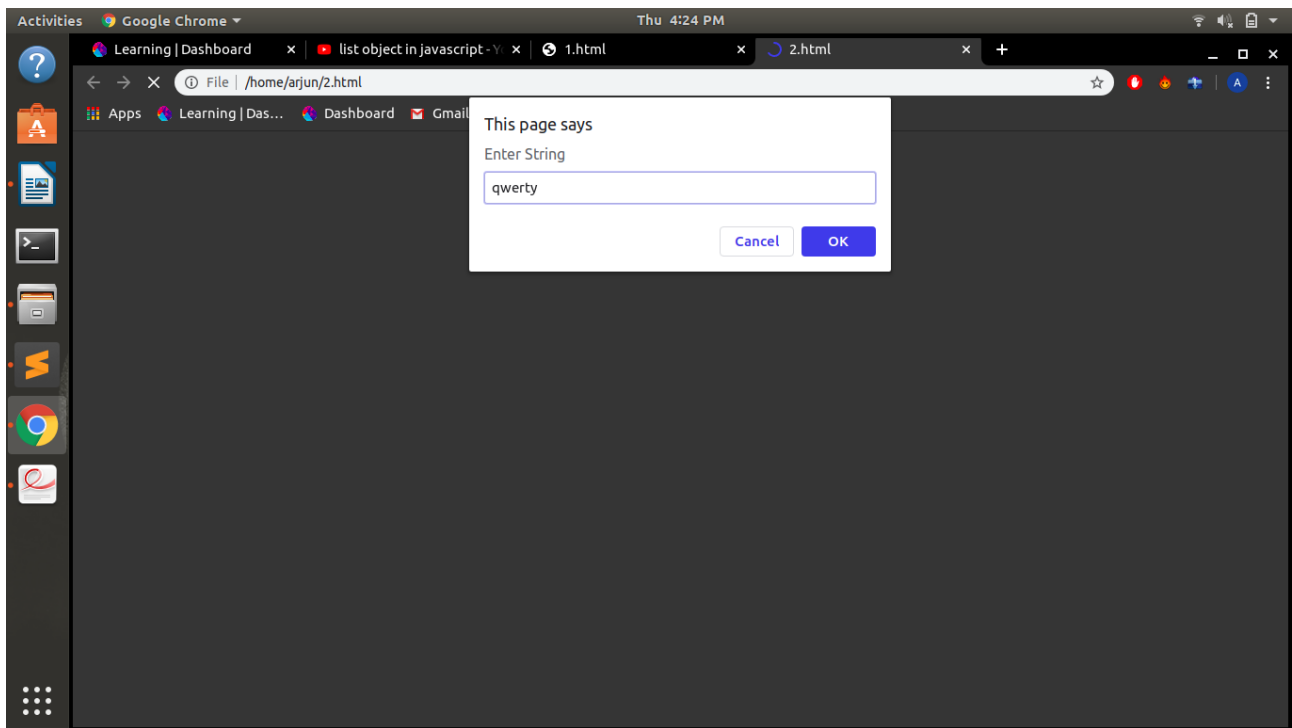


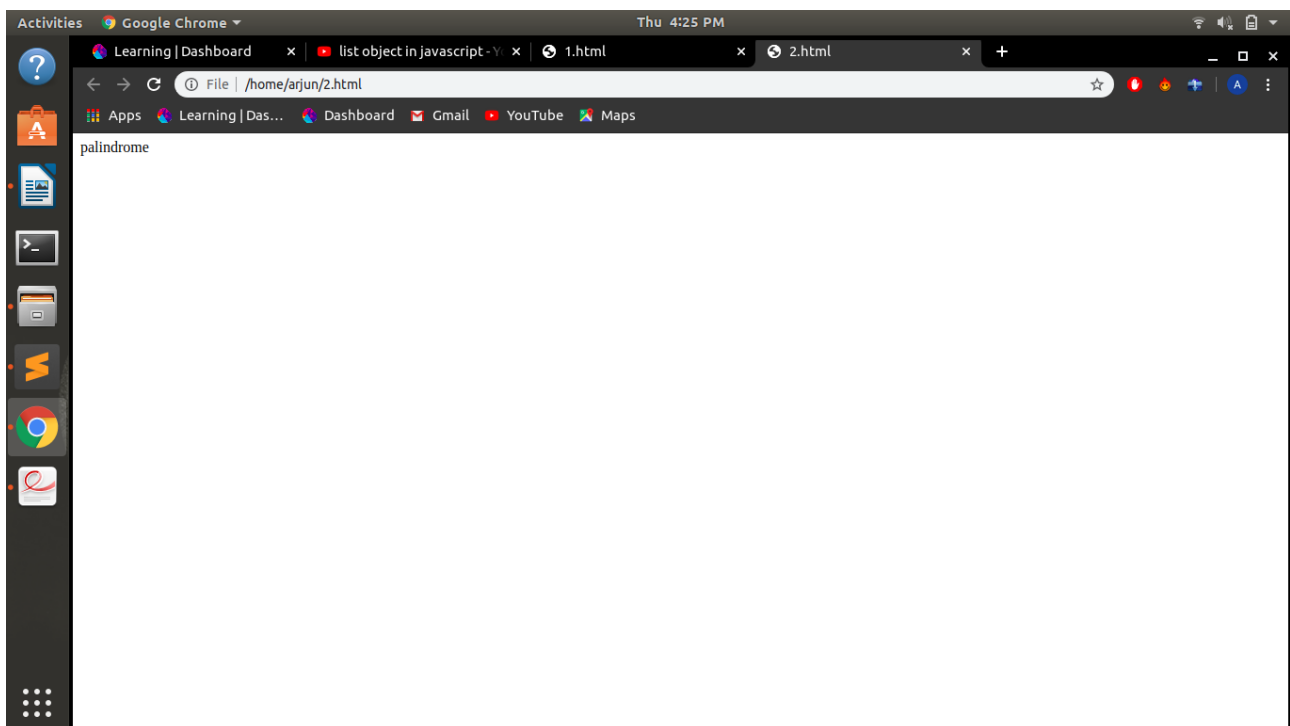
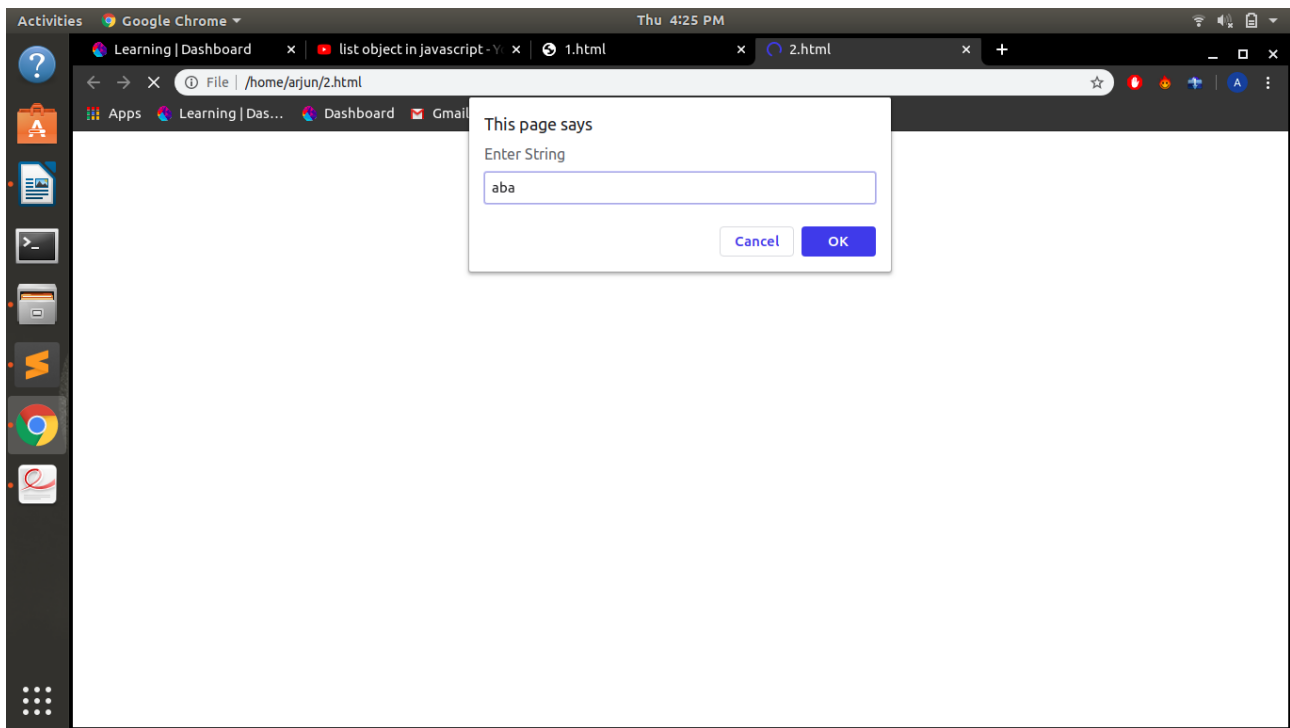




2.is palindrome string

```
<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>
```

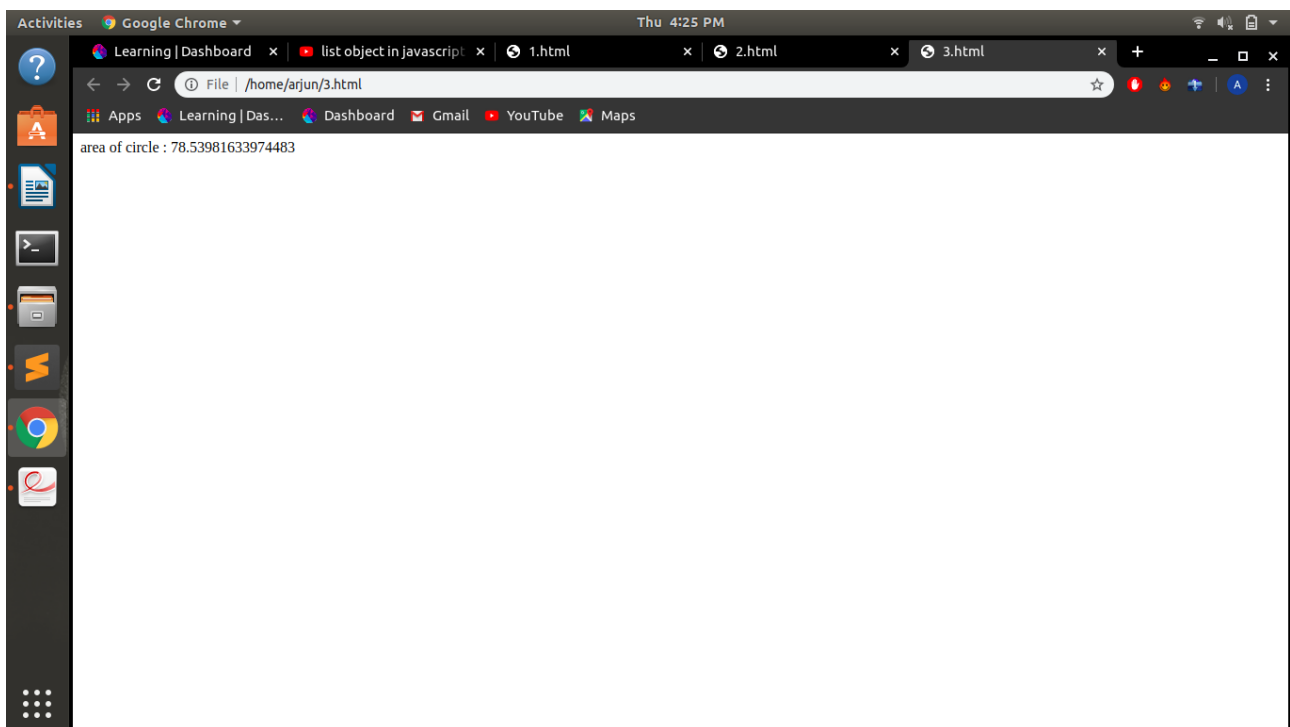
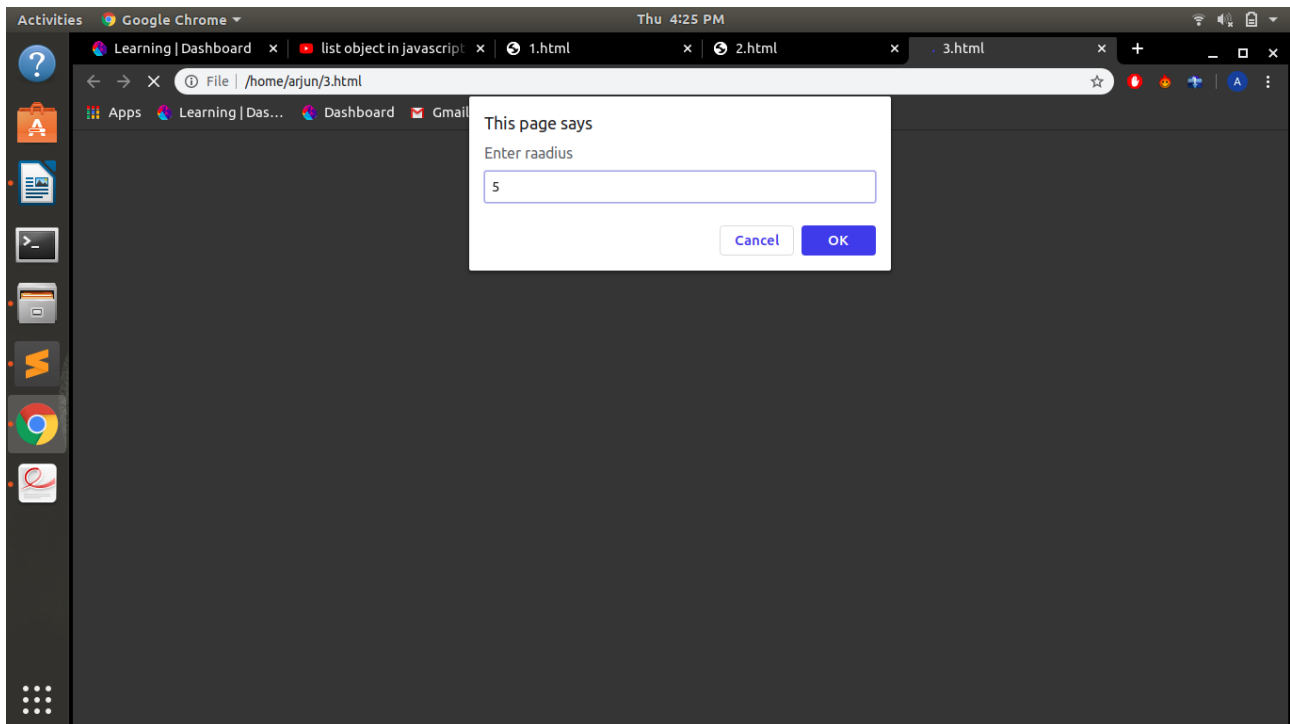




3.Area of circle

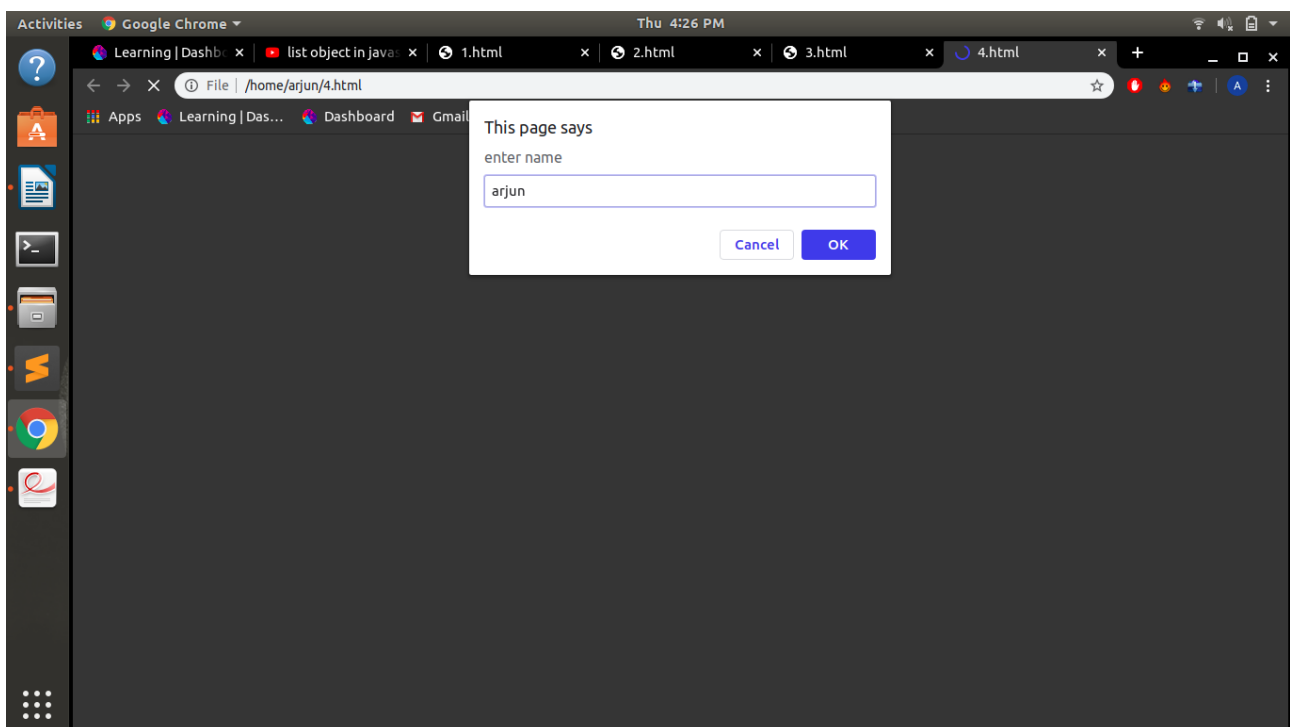
```
<script>
var radius=prompt('Enter raadius');
var pi=Math.PI;
if(radius=="")
{
    document.write("please try again");
}
```

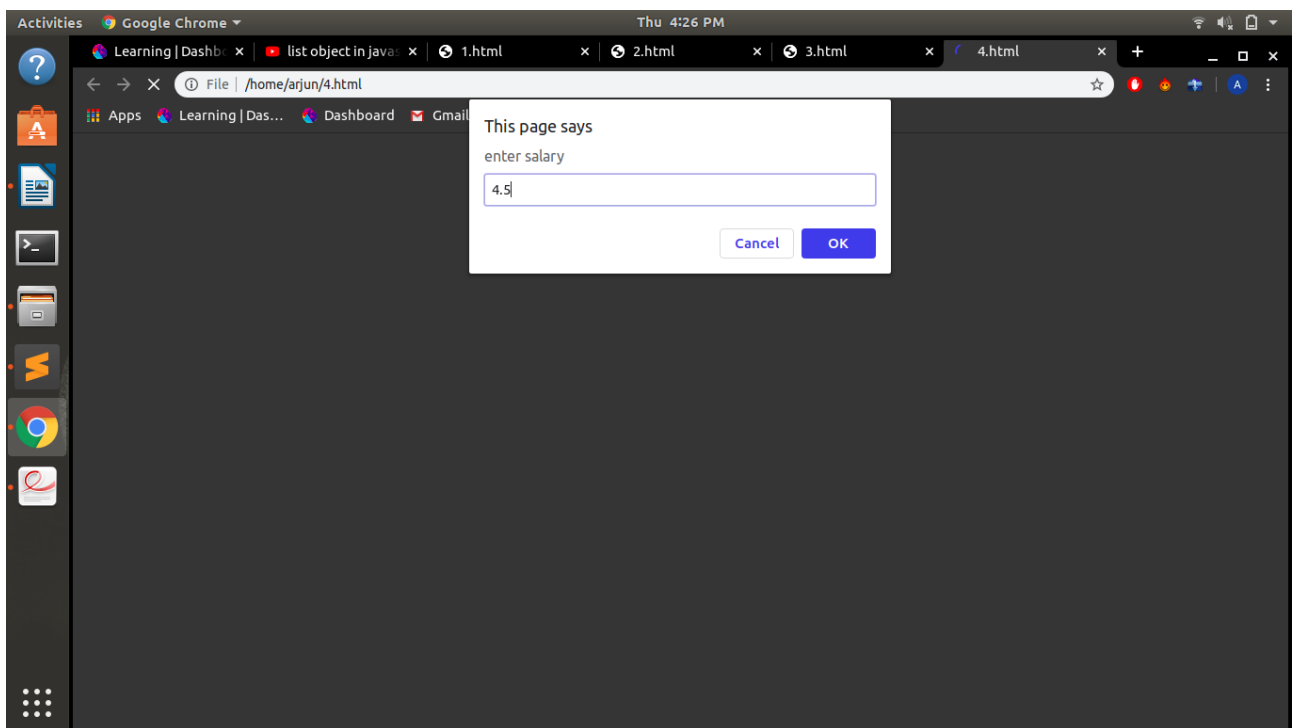
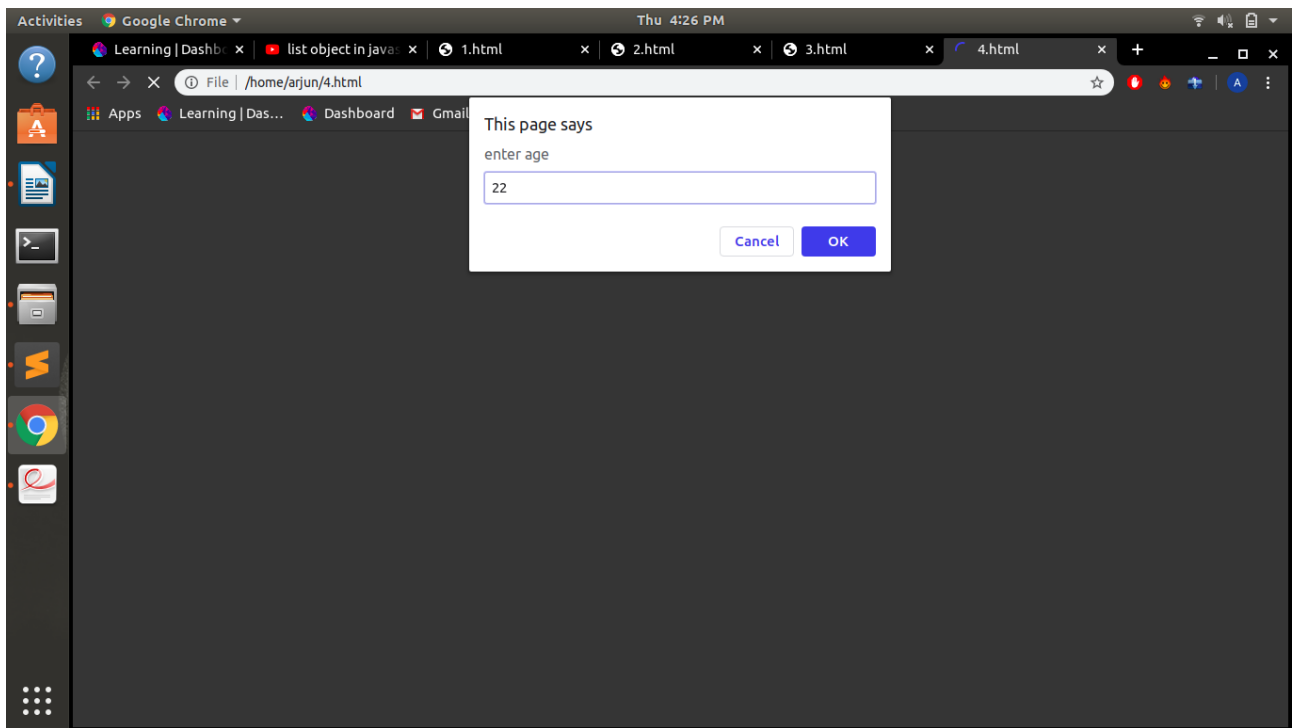
```
else
{
    var area=pi*radius*radius;
    document.write("area of circle : "+area);
}
</script>
```

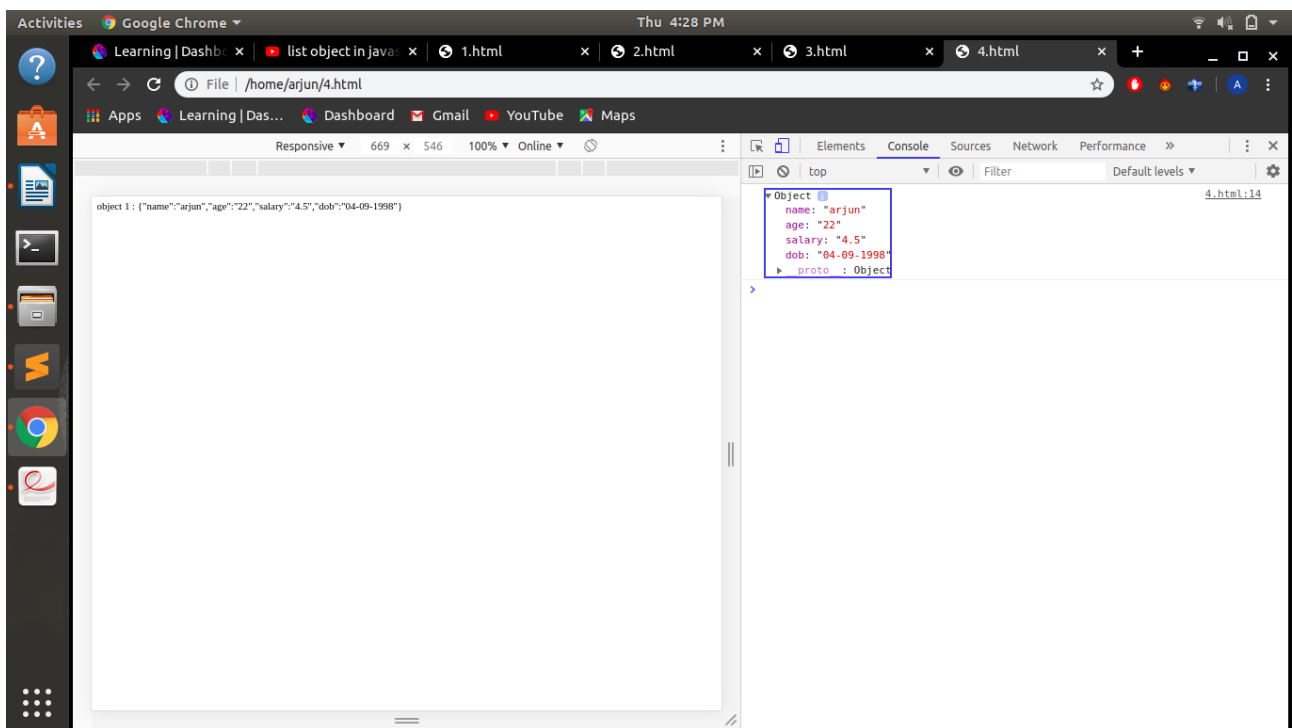
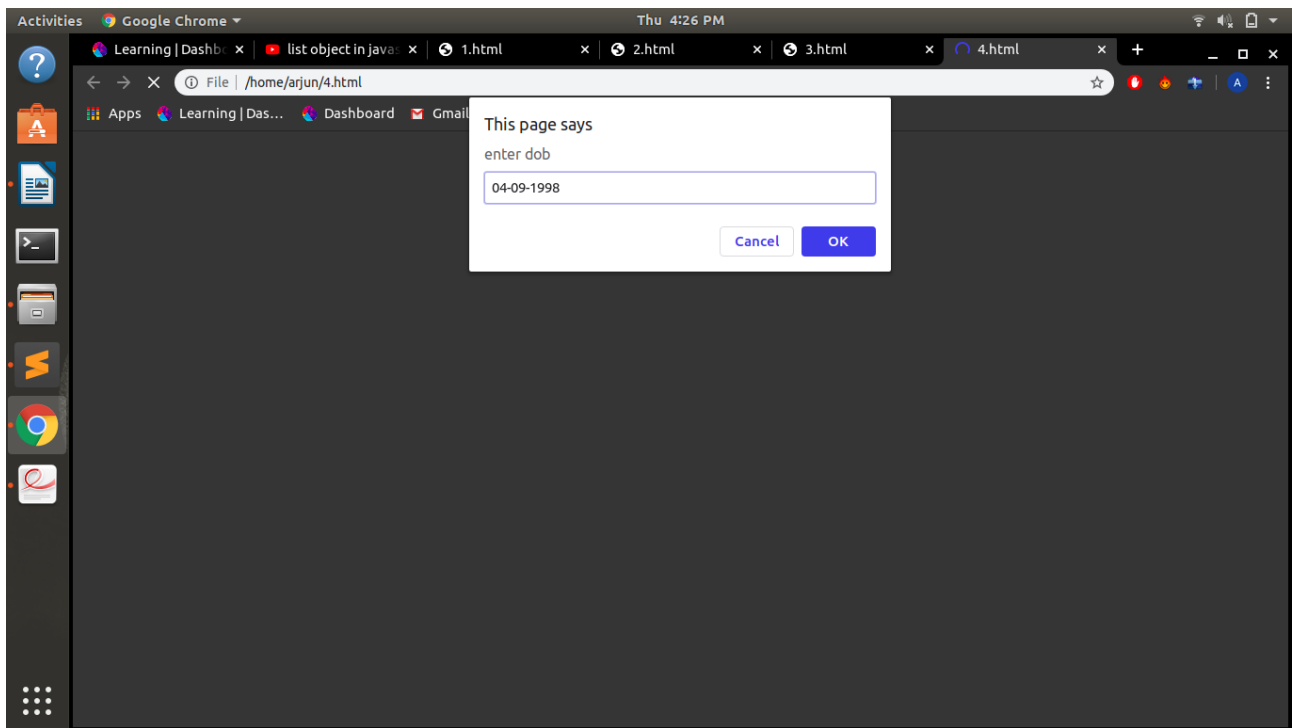


4.Copy information of one object to another and log it to console.

```
<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>
```



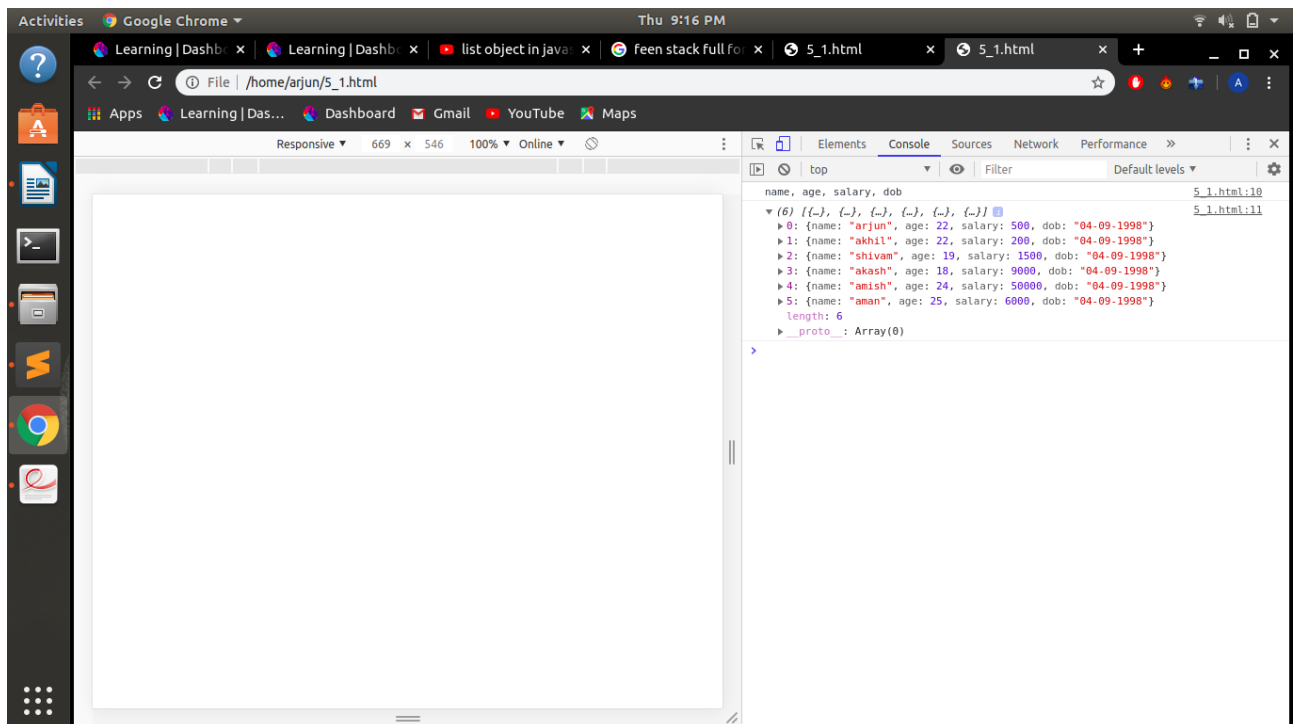




5.create a list of objects of Employee with info as follow :

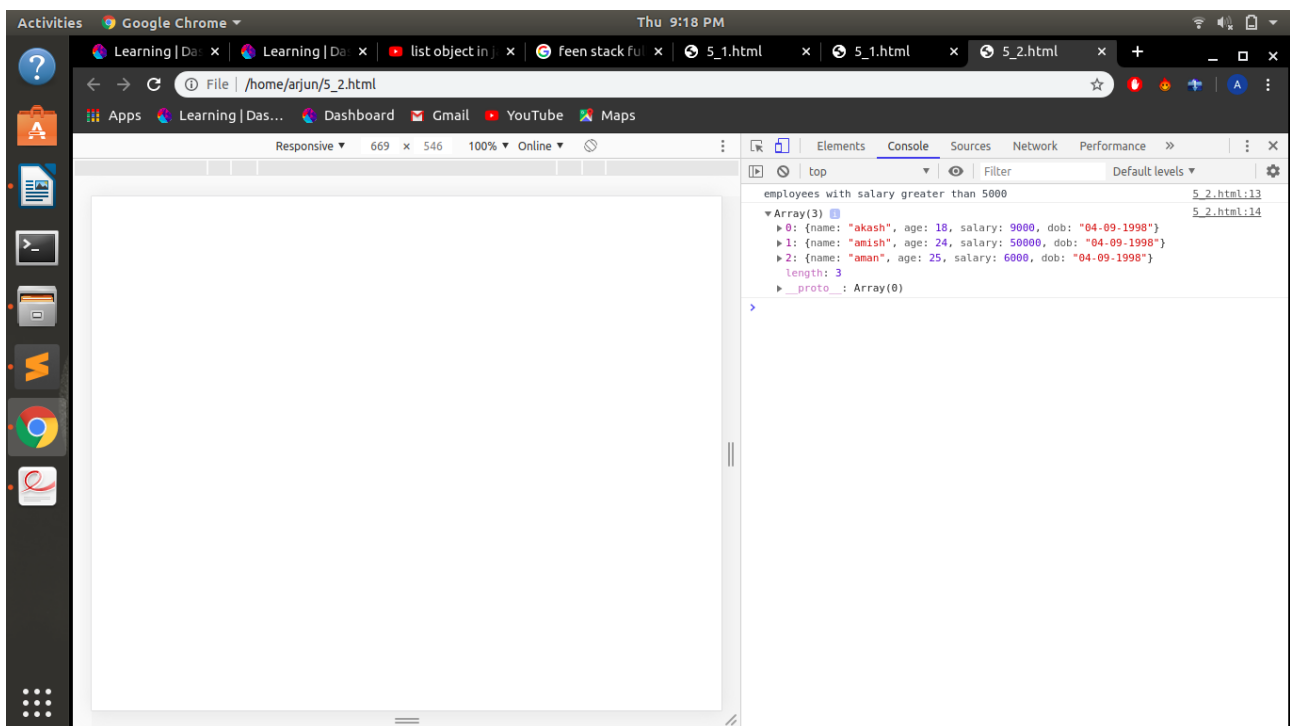
5.1.Name, age, salary ,DOB

```
<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);
</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);
</script>
```



5.3.group employee on the basis of their age Doubt.....

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;
    }
    console.log("employees with greater age than 20 and less salary than 5000 with 5x salary");
    console.log(emp);
</script>
```

