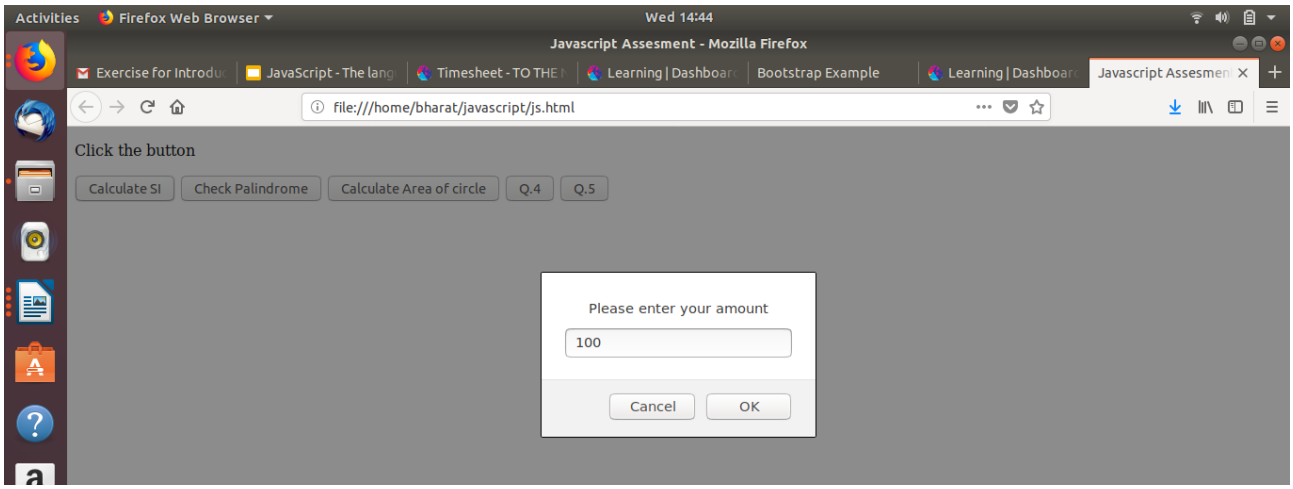
Q.1 Prompt for amount, interest rate and no. of years and calculate simple interest.

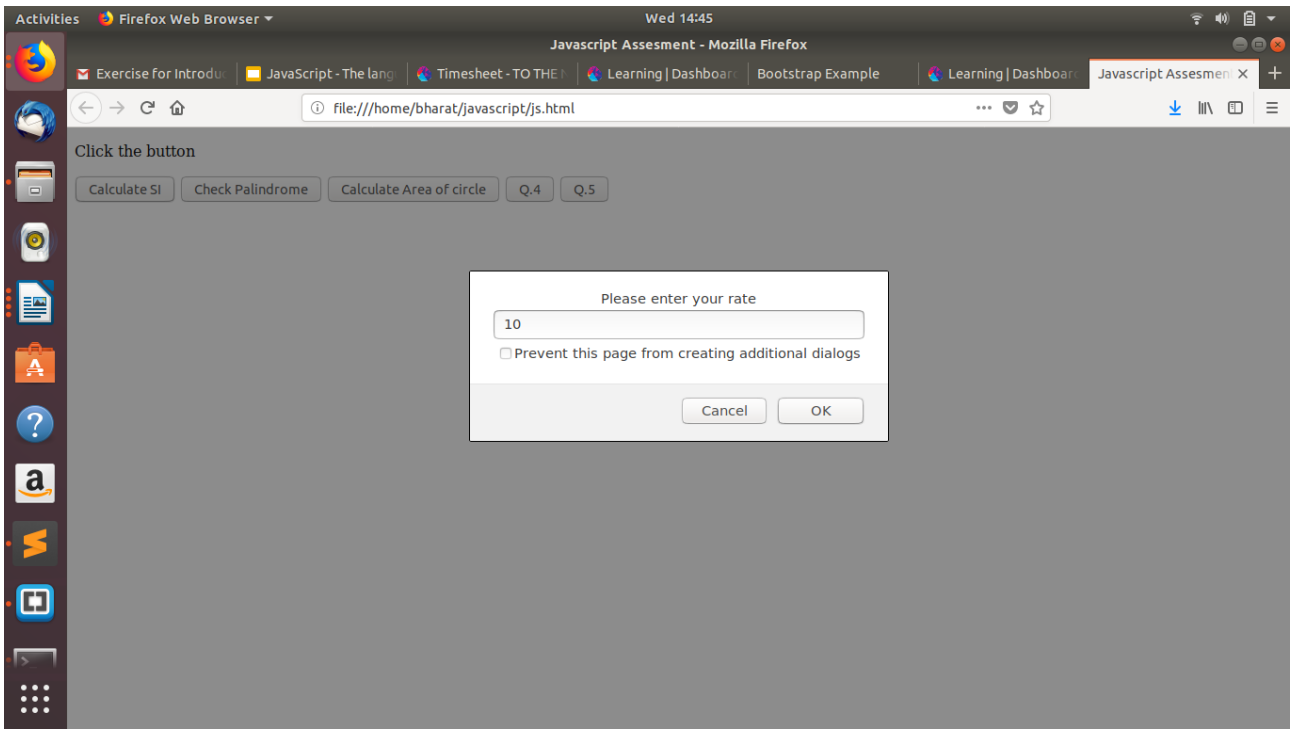
Ans.

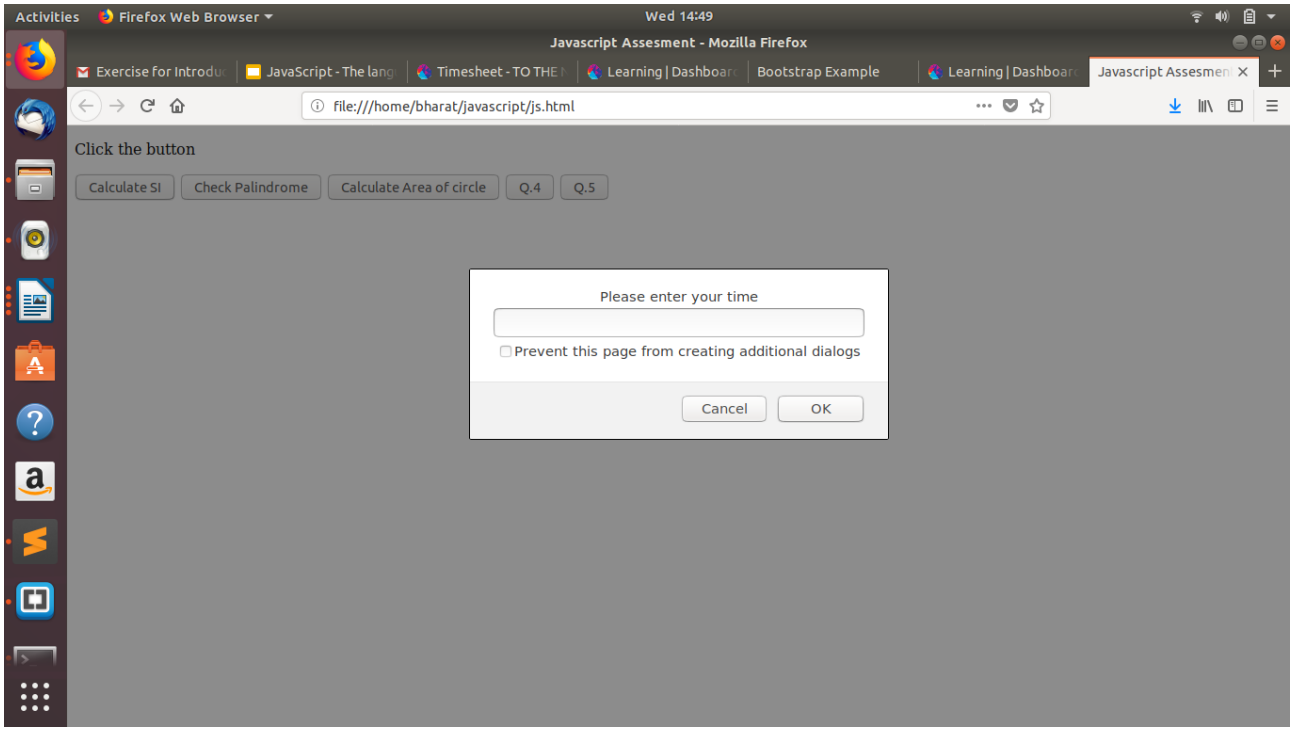
// java script function code

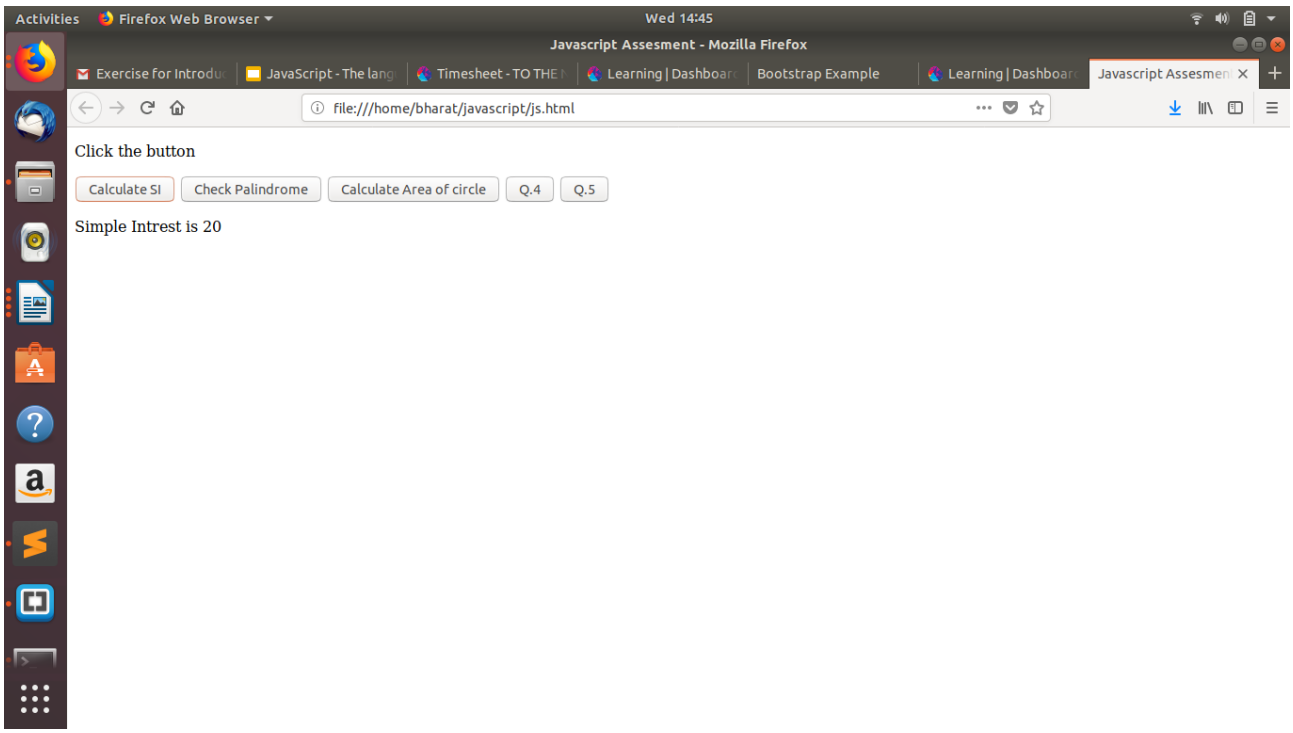
```
function si() {
  var amount = prompt("Please enter your amount");
  var rate = prompt("Please enter your rate");
  var time = prompt("Please enter your time");
  var si;
  if (amount != null && rate!=null && time!=null) {
    si=(amount*rate*time)/100;

    document.getElementById("demo").innerHTML =
    "Simple Intrest is " + si;
  }
}
```






Activities
Firefox Web Browser
Wed 14:49
Javascript Assesment - Mozilla Firefox
Exercise for Introduc
JavaScript - The lang
Timesheet - TO THE
Learning | Dashboard
Bootstrap Example
Learning | Dashboard
Javascript Assesmen
file:///home/bharat/javascript/js.html
Click the button
Calculate SI
Check Palindrome
Calculate Area of circle
Q.4
Q.5
Please enter your time
Prevent this page from creating additional dialogs
Cancel
OK


Activities
Firefox Web Browser
Wed 14:45
Javascript Assesment - Mozilla Firefox
Exercise for Introduc
JavaScript - The lang
Timesheet - TO THE
Learning | Dashboard
Bootstrap Example
Learning | Dashboard
Javascript Assesmen
file:///home/bharat/javascript/js.html
Click the button
Calculate SI
Check Palindrome
Calculate Area of circle
Q.4
Q.5
Simple Intrest is 20

Q.2 is palindrome string
Ans.

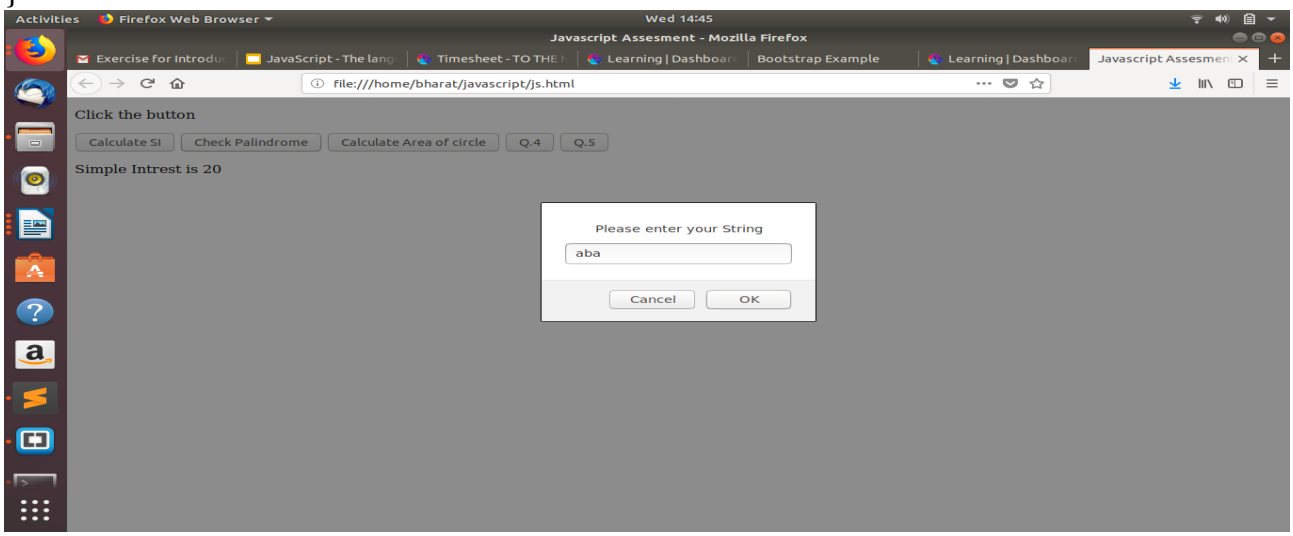
//javascript function code

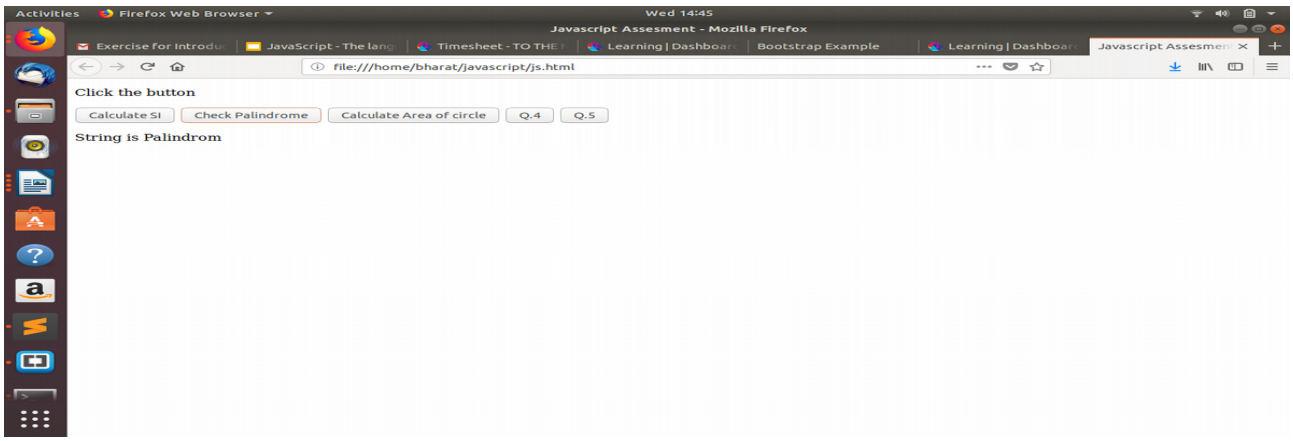
```
function palindrom(s){
    s = s.toString();
    var f = true; l = s.length/2, len = s.length -1;
    for(var i=0; i < l; i++){
            if(s[i] != s[len - i]){
                    f = false;
                    break;
            }
    }
    return f;

    }



}
```





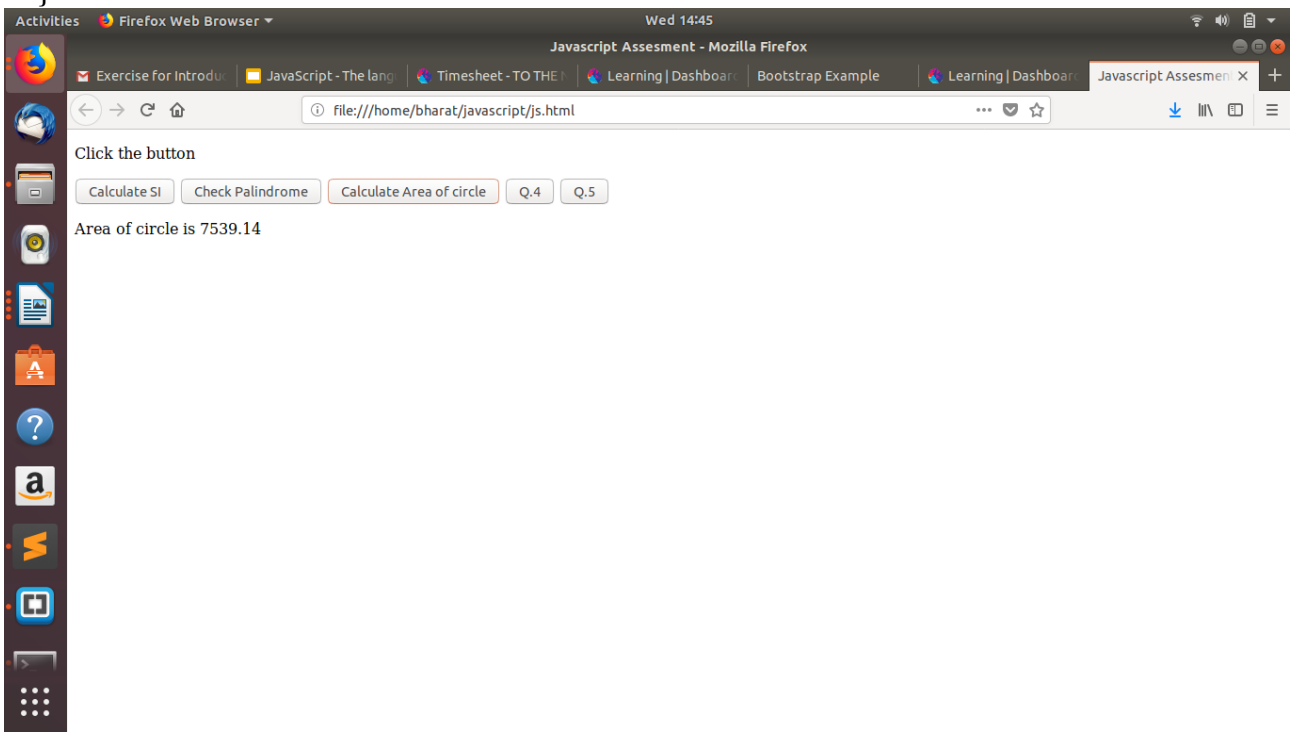
Q.3 Area of circle

Ans.

```
//function to calculate area

function area() {
      var r=prompt("please enter the radius");
      var area=22/7*(r*r);
       document.getElementById("demo").innerHTML =
    "Area of circle is "+area;

      // body...
    }
```

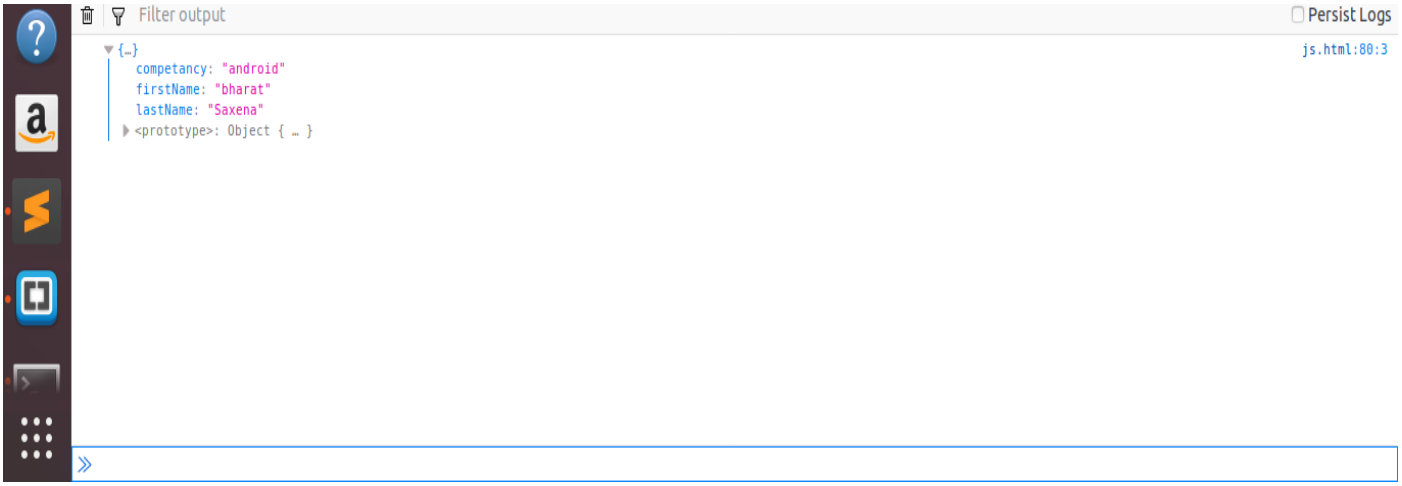


Q.4 Copy information of one object to another and log it to console.

Ans.

```
//for copying data
function cop(){
  var person = {firstName:"bharat", lastName:"Saxena",competancy:"android"};
  var copy = Object.assign({}, person);
  console.log(copy);

}
```



Q.5 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.

Ans.

```
function Q5(){


  function Q5(){
// ans 5.1 declaring name,age ,salary and dob
  var emp = [
  {Name:"bharat", age:"21",salary:"10000000",dob:"1-1-1111"},
  {Name:"bharat1", age:"11",salary:"900",dob:"1-1-1111"},
  {Name:"bharat2", age:"20",salary:"10000",dob:"1-1-1111"},
  {Name:"bharat4", age:"40",salary:"100000",dob:"1-1-1111"},
   {Name:"bharat5", age:"50",salary:"100",dob:"1-1-1111"},
    {Name:"bharat4", age:"15",salary:"500",dob:"1-1-1111"}
  ];
  console.log("answes of Q.5 part 1");
  console.log(emp);

  var ar=[];
  var j=0;
  //console.log(emp.length);

  // ans 5.2 for getting emp whose salary less than 5000
  console.log("answes of Q.5 part 2");
  for(var i=0;i<emp.length;i++)
  {
    if(emp[i].salary>=5000)
    {
     ar[j]=emp[i];
      j=j+1;
    }
  }
  console.log(ar);


console.log("answes of Q.5 part 3")
  // ans 5.3 for grouping objects on the basic of age
   var child=[];
   var young=[];
   var old=[];
   var j=0,k=0,l=0;
  for(var i=0;i<emp.length;i++)
  {
    //grouping emp as child
    if(emp[i].age>0 &&  emp[i].age<20)
    {
```

```
      //console.log(emp[i]+" young age=="+emp[i].age)
      child[j]=emp[i];
      j+=1;
    }
    else if(emp[i].age>=20 && emp[i].age<40)
    {
//grouping emp as young
      young[k]=emp[i];
      k+=1;
    }
    else
    {
//groping emp as old
      old[l]=emp[i];
      l+=1;
    }


  }
```

//grouping all them together

```
  var group={"child":child,"young":young,"old":old};
  console.log(group);


console.log("answes of Q.5 part 4");
```

// ans 5.4 for getting employee having salary less than 1000 and age less than 20 and increment five time their salary

```
  for(var i=0;i<emp.length;i++)
  {
    if(emp[i].salary<1000 && emp[i].age<20)
    {
     emp[i].salary=emp[i].salary*5;
    }
  }
  console.log(emp);

}
```


Inspector
Console
Debugger
Style Editor
Performance
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Storage
Filter output
Persist Logs
answes of Q.5 part 1
js.html:94:3
(6) […]
js.html:95:3
0: Object { Name: "bharat", age: "21", salary: "10000000", … }
1: Object { Name: "bharat1", age: "11", salary: 4500, … }
2: Object { Name: "bharat2", age: "20", salary: "10000", … }
3: Object { Name: "bharat4", age: "40", salary: "100000", … }
4: Object { Name: "bharat5", age: "50", salary: "100", … }
5: Object { Name: "bharat4", age: "15", salary: 2500, … }
length: 6
<prototype>: Array []
answes of Q.5 part 2
js.html:101:3
(3) […]
js.html:110:3
0: Object { Name: "bharat", age: "21", salary: "10000000", … }
1: Object { Name: "bharat2", age: "20", salary: "10000", … }
2: Object { Name: "bharat4", age: "40", salary: "100000", … }
length: 3
<prototype>: Array []
answes of Q.5 part 3
js.html:113:1


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length: 3
<prototype>: Array []
answes of Q.5 part 3
js.html:113:1
{…}
js.html:142:3
child: (2) […]
0: Object { Name: "bharat1", age: "11", salary: 4500, … }
1: Object { Name: "bharat4", age: "15", salary: 2500, … }
length: 2
<prototype>: Array []
old: (2) […]
0: Object { Name: "bharat4", age: "40", salary: "100000", … }
1: Object { Name: "bharat5", age: "50", salary: "100", … }
length: 2
<prototype>: Array []
young: (2) […]
0: Object { Name: "bharat", age: "21", salary: "10000000", … }
1: Object { Name: "bharat2", age: "20", salary: "10000", … }
length: 2
<prototype>: Array []


Inspector
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1: Object { Name: "bharat5", age: "50", salary: "100", … }
length: 2
<prototype>: Array []
young: (2) […]
0: Object { Name: "bharat", age: "21", salary: "10000000", … }
1: Object { Name: "bharat2", age: "20", salary: "10000", … }
length: 2
<prototype>: Array []
<prototype>: Object { … }
answes of Q.5 part 4
js.html:145:1
(6) […]
js.html:156:3
0: Object { Name: "bharat", age: "21", salary: "10000000", … }
1: Object { Name: "bharat1", age: "11", salary: 4500, … }
2: Object { Name: "bharat2", age: "20", salary: "10000", … }
3: Object { Name: "bharat4", age: "40", salary: "100000", … }
4: Object { Name: "bharat5", age: "50", salary: "100", … }
5: Object { Name: "bharat4", age: "15", salary: 2500, … }
length: 6
<prototype>: Array []