Exercise : Java Script

By shashank gaurav singh

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

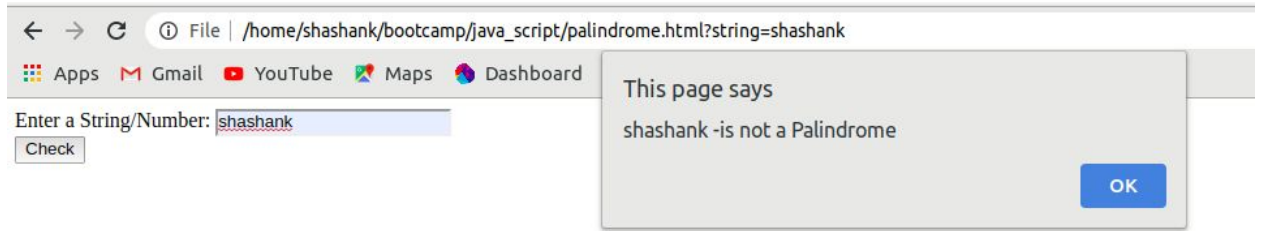## Simple Interest Calculation

Amount: 100
Rate: 10
No. of Years: 5
[Calculate]

The interest is 50

2. is palindrome string

Enter a String/Number: shashank

Check

This page says

shashank -is not a Palindrome

OK

3. **Area of circle**

Enter the radius of circle: 10

Calculate

The area of the circle is 314.1592653589793

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

```
☐ ☐ | Elements   Console   Sources   Network   Performance
▷ ⊘ | top                      ▼ | ◉ | Filter
  ▼Object ⓘ
      x: 20
    ▶ __proto__ : Object
  ▼Object ⓘ
      x: 20
    ▶ __proto__ : Object
  ▼Object ⓘ
      x: 20
    ▶ __proto__ : Object
  ▼Object ⓘ
      x: 20
    ▶ __proto__ : Object
  >
```
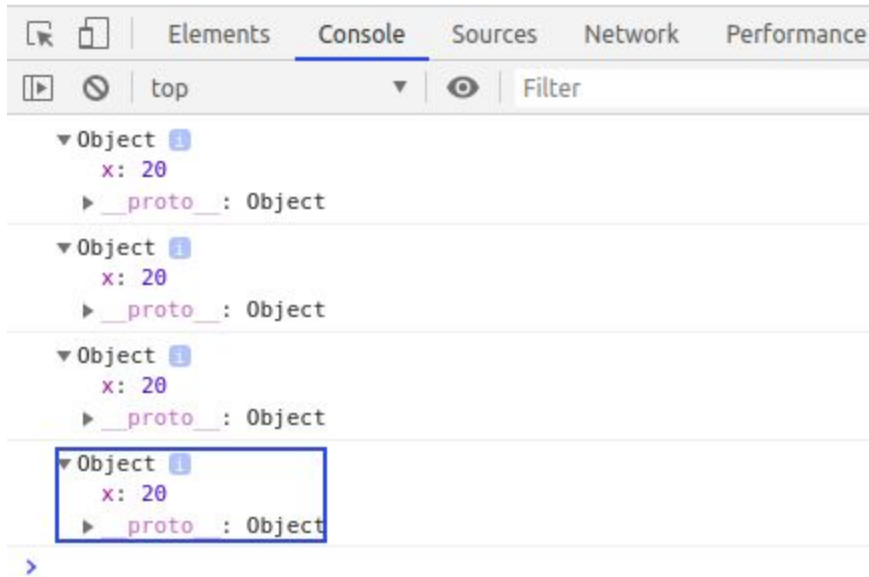
5. create a list of objects of Employee with info as follow :
  ○ **Name, age, salary ,DOB**
  ○ **filter all employees with salary greater than 5000**
  ○ **group employee on the basis of their age**
  ○ **fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary.**

Filter all employees with salary greater than 5000

Filter

[{"Name":"ABC","age":"21","salary":"15000","DOB":"29/08/1998"},{"Name":"DEF","age":"22","salary":"10000","DOB":"01/08/1998"},{"Name":"JKL","age":"23","salary":"9000","DOB":"02/08/1998"}]

Group employee on the basis of their age

Group by age

[{"Name":"GHI","age":"20","salary":"100","DOB":"24/05/1998"},{"Name":"ABC","age":"21","salary":"15000","DOB":"29/08/1998"},{"Name":"DEF","age":"22","salary":"10000","DOB":"01/08/1998"},
{"Name":"JKL","age":"23","salary":"9000","DOB":"02/08/1998"},{"Name":"MNO","age":"24","salary":"900","DOB":"29/08/1998"}]

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

Fetch

[{"Name":"MNO","age":"24","salary":4500,"DOB":"29/08/1998"}]