Introduction to JavaScript
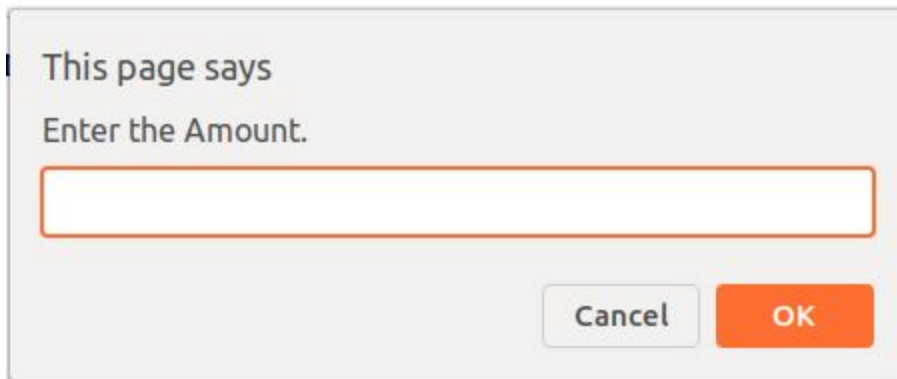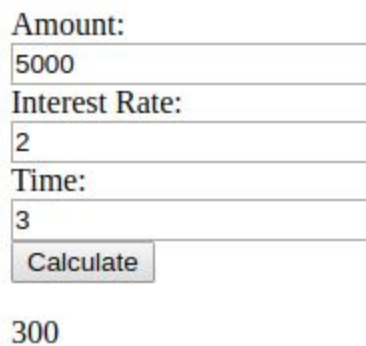
Exercise

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

This page says

Enter the Amount.

Cancel   OK

Enter the following to calculate Simple Interest:-

Amount:
5000
Interest Rate:
2
Time:
3
Calculate

300

  Code is provided in the javascript.zip file.

2. is palindrome string

Enter a String to Check if it is a palindrome or not.

madam   check

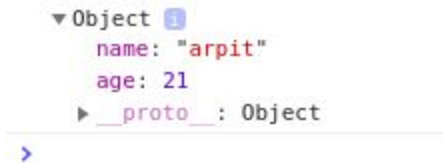The string is a palindrome

Code is provided in the javascript.zip file.

3. Area of circle.

Enter the radius

```
5                          Check
```

78.57142857142857

Code is provided in Javascript.zip file.

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

```
▼ Object 🛈
    name: "arpit"
    age: 21
  ▶ __proto__: Object

>
```

Code is provided in the javascript.zip file.

5. create a list of objects of Employee with info as follow :
   - Name, age, salary ,DOB

```
▼ (10) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}] 🛈
  ▶ 0: {name: "arpit", age: "21", salary: "10000", DOB: "22/02/1998"}
  ▶ 1: {name: "anshu", age: "20", salary: "5000", DOB: "23/04/1999"}
  ▶ 2: {name: "smarth", age: "30", salary: "500", DOB: "18/02/1990"}
  ▶ 3: {name: "ekansh", age: "33", salary: "7000", DOB: "08/08/1985"}
  ▶ 4: {name: "janhvi", age: "43", salary: "3000", DOB: "02/12/1980"}
  ▶ 5: {name: "kritika", age: "40", salary: "20000", DOB: "12/10/1975"}
  ▶ 6: {name: "abheek", age: "52", salary: "50000", DOB: "10/01/1968"}
  ▶ 7: {name: "anshul", age: "58", salary: "30000", DOB: "29/03/1962"}
  ▶ 8: {name: "anant", age: "60", salary: "40000", DOB: "30/11/1960"}
  ▶ 9: {name: "dhruv", age: "63", salary: "45000", DOB: "31//1957"}
    length: 10
  ▶ __proto__: Array(0)
```

   - filter all employees with salary greater than 5000

```
▼ (8) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}] ℹ
  ▶ 0: {name: "arpit", age: "21", salary: "10000", DOB: "22/02/1998"}
  ▶ 1: {name: "smarth", age: "30", salary: "50000", DOB: "18/02/1990"}
  ▶ 2: {name: "ekansh", age: "33", salary: "7000", DOB: "08/08/1985"}
  ▶ 3: {name: "kritika", age: "40", salary: "20000", DOB: "12/10/1975"}
  ▶ 4: {name: "abheek", age: "52", salary: "50000", DOB: "10/01/1968"}
  ▶ 5: {name: "anshul", age: "58", salary: "30000", DOB: "29/03/1962"}
  ▶ 6: {name: "anant", age: "60", salary: "40000", DOB: "30/11/1960"}
  ▶ 7: {name: "dhruv", age: "63", salary: "45000", DOB: "31//1957"}
    length: 8
```

○ group employee on the basis of their age

```
▶ (4) ["arpit", "anshu", "smarth", "ekansh"]
▶ (2) ["janhvi", "kritika"]
▶ (4) ["abheek", "anshul", "anant", "dhruv"]
```

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

```
smarth's salary = 500
smarth's updated salary = 2500
```

Code of this Question is provided in the javascript.zip file.