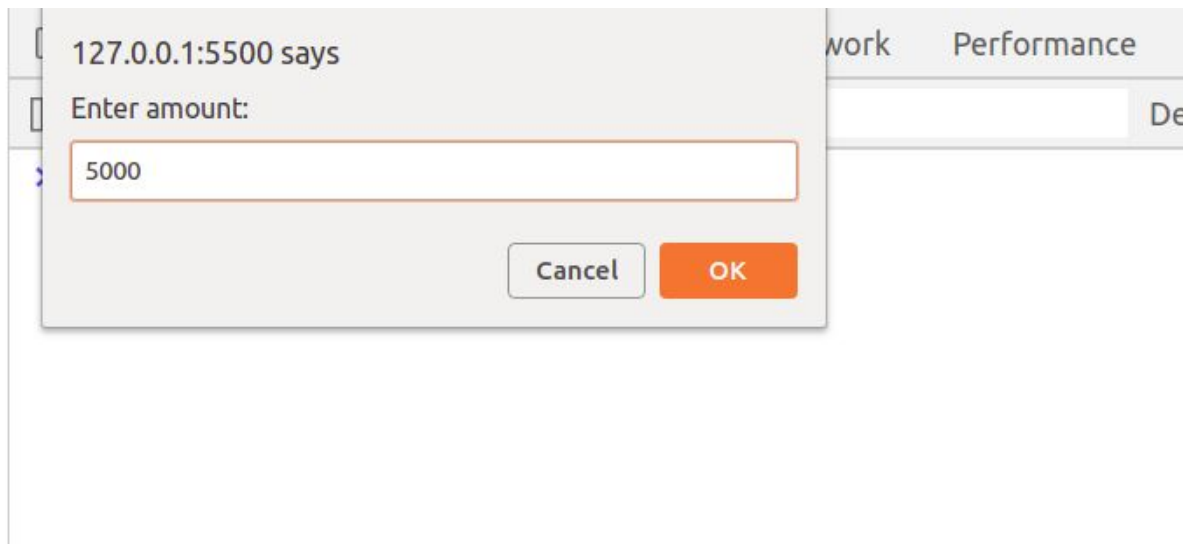


## Exercise - Introduction to JavaScript

I have made separate js file for each question, named by question no and one html file is made for connection, i have commented out the script link of js for ques 2,3,4 & 5  
Here are the attached screenshots.

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

Ans.



127.0.0.1:5500 says

Enter interest:

Cancel

OK

work

Performance

Me

Default

127.0.0.1:5500 says

Enter time(years):

Cancel

OK

work

Performance

D

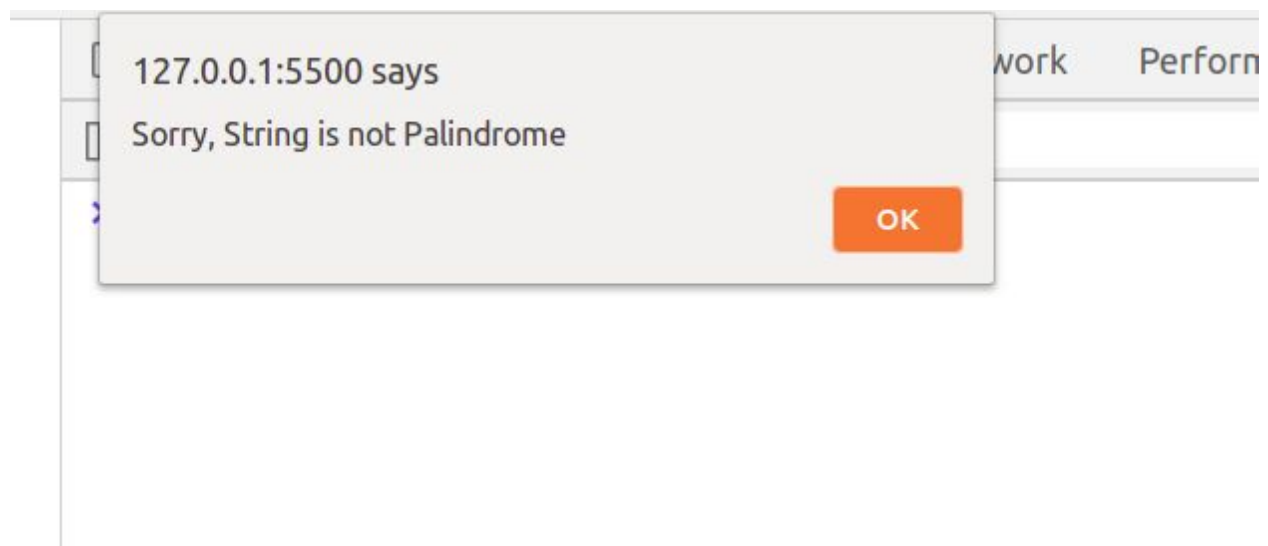
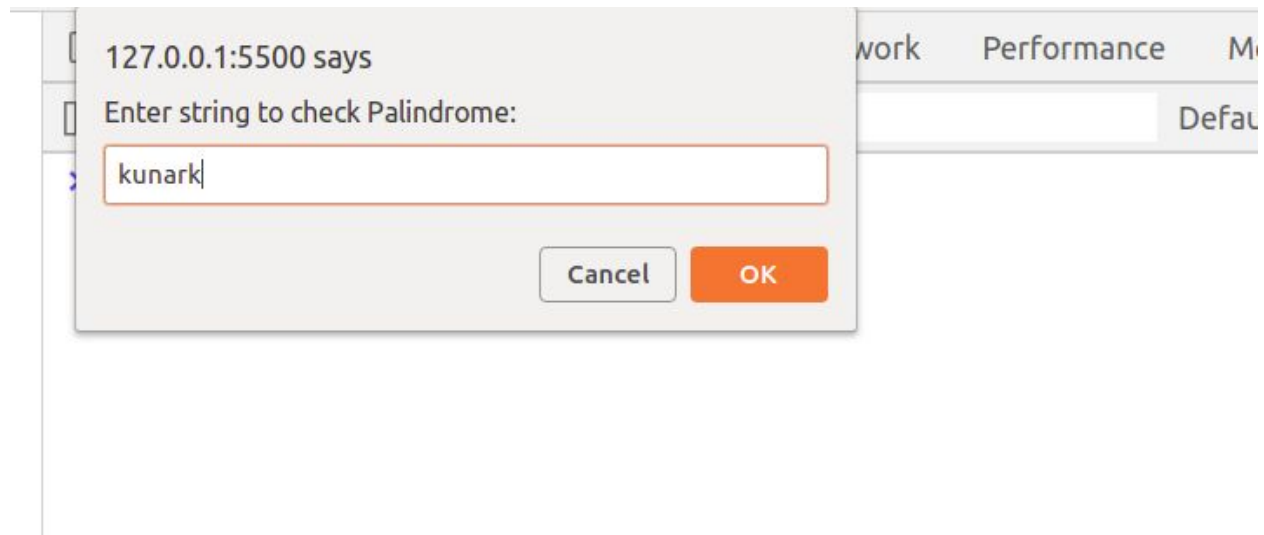
127.0.0.1:5500 says

Simple interest : 2500

OK

- is palindrome string

Ans.



127.0.0.1:5500 says

Enter string to check Palindrome:

127.0.0.1:5500 says

Entered string is palindrome!!!

- Area of circle

Ans.

127.0.0.1:5500 says

Enter the radius for Circle:

15

Cancel OK

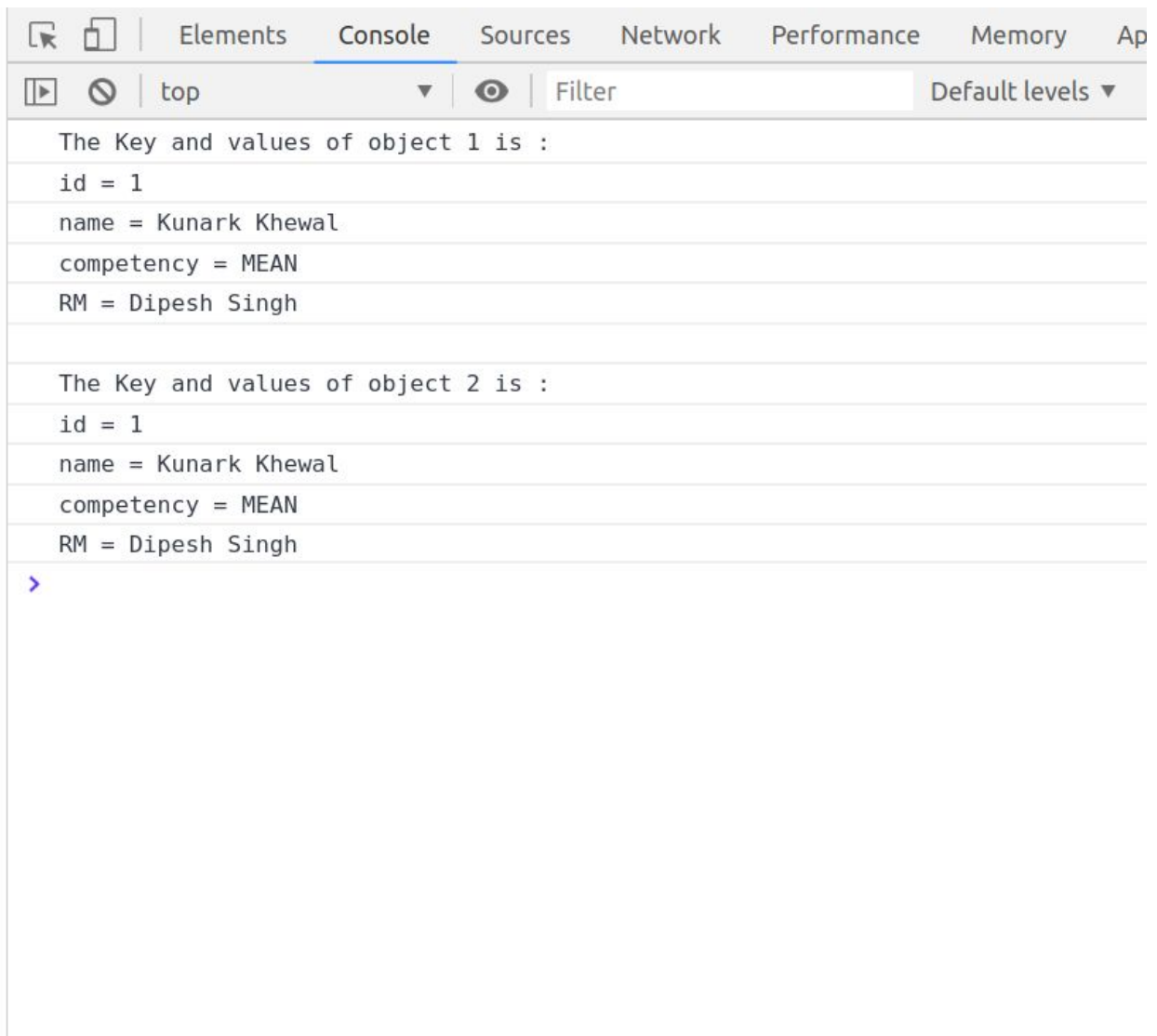
127.0.0.1:5500 says

Area of circle: 706.8583470577034

OK

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

Ans.



The screenshot shows a web browser's developer console with the 'Console' tab selected. The console displays two log messages, each followed by the key-value pairs of an object. The first log message is 'The Key and values of object 1 is :', followed by 'id = 1', 'name = Kunark Khewal', 'competency = MEAN', and 'RM = Dipesh Singh'. The second log message is 'The Key and values of object 2 is :', followed by 'id = 1', 'name = Kunark Khewal', 'competency = MEAN', and 'RM = Dipesh Singh'. A blue prompt character '>' is visible at the bottom of the console.

```
The Key and values of object 1 is :  
id = 1  
name = Kunark Khewal  
competency = MEAN  
RM = Dipesh Singh  
  
The Key and values of object 2 is :  
id = 1  
name = Kunark Khewal  
competency = MEAN  
RM = Dipesh Singh  
>
```

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

Ans.

The screenshot shows the Chrome DevTools Console with the 'Console' tab selected. The output is a list of 7 employee objects, each represented as a JSON object with properties: name, age, salary, and DOB. The objects are displayed in a collapsed state, showing the first few characters of each property value.

```

All Employee:
▶ {name: "Kunark", age: 21, salary: 15100, DOB: "17-February-1997"}
▶ {name: "Nitika", age: 18, salary: 100, DOB: "29-October-2000"}
▶ {name: "Ekta", age: 21, salary: 500, DOB: "29-October-1997"}
▶ {name: "Amit", age: 22, salary: 999, DOB: "2-October-1996"}
▶ {name: "Rahul", age: 29, salary: 115100, DOB: "12-February-1990"}
▶ {name: "Chadler", age: 39, salary: 515100, DOB: "17-March-1980"}
▶ {name: "Monica", age: 38, salary: 415100, DOB: "17-April-1981"}
  
```

- b. filter all employees with salary greater than 5000

Ans.

The screenshot shows the Chrome DevTools Console with the 'Console' tab selected. The output is a list of 4 employee objects, each represented as a JSON object with properties: name, age, salary, and DOB. The objects are displayed in a collapsed state, showing the first few characters of each property value.

```

Employee having salary greater than 5000:
▶ {name: "Kunark", age: 21, salary: 15100, DOB: "17-February-1997"}
▶ {name: "Rahul", age: 29, salary: 115100, DOB: "12-February-1990"}
▶ {name: "Chadler", age: 39, salary: 515100, DOB: "17-March-1980"}
▶ {name: "Monica", age: 38, salary: 415100, DOB: "17-April-1981"}
  
```



c. group employee on the basis of their age

Ans.

Grouped by Age:
Employee in age group of 10 to 20
▶ {name: "Nitika", age: 18, salary: 100, DOB: "29-October-2000"}
Employee in age group of 20 to 30
▶ {name: "Kunark", age: 21, salary: 15100, DOB: "17-February-1997"}
▶ {name: "Ekta", age: 21, salary: 500, DOB: "29-October-1997"}
▶ {name: "Amit", age: 22, salary: 999, DOB: "2-October-1996"}
▶ {name: "Rahul", age: 29, salary: 115100, DOB: "12-February-1990"}
Employee in age group of 30 to 40
▶ {name: "Chadler", age: 39, salary: 515100, DOB: "17-March-1980"}
▶ {name: "Monica", age: 38, salary: 415100, DOB: "17-April-1981"}

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

Ans.

Updated salaries:
▶ {name: "Kunark", age: 21, salary: 15100, DOB: "17-February-1997"}
▶ {name: "Nitika", age: 18, salary: 100, DOB: "29-October-2000"}
▶ {name: "Ekta", age: 21, salary: 2500, DOB: "29-October-1997"}
▶ {name: "Amit", age: 22, salary: 4995, DOB: "2-October-1996"}
▶ {name: "Rahul", age: 29, salary: 115100, DOB: "12-February-1990"}
▶ {name: "Chadler", age: 39, salary: 515100, DOB: "17-March-1980"}
▶ {name: "Monica", age: 38, salary: 415100, DOB: "17-April-1981"}
>