

JavaScript Exercise

Q1. Prompt for amount, interest rate and no. of years and calculate simple interest.

Solution:



Calculate Simple Interest

Calculate

Click button above to enter required data.

Enter principal amount:

Cancel OK

Enter rate(%):

☐ Prevent this page from creating additional dialogs

Cancel OK

Enter time(years):

1

☐ Prevent this page from creating additional dialogs

Cancel

OK

Simple Interest

file:///home/ttn/JavaScript/Q1.html

Calculate Simple Interest

Calculate

Principal Amount: 1000

Rate of Interest: 5%

Time: 1 years

Simple Interest: 50

Q2. is palindrome string.

Solution:

Palindrome String

file:///home/ttn/JavaScript/Q2.html

Palindrome String Validator

Enter any string: ABCBA

Validate

Enter any string and click button above.



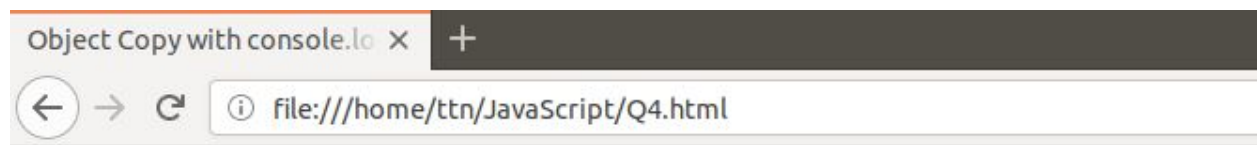
Q3. Area of circle.

Solution:



Q4. Copy information of one object to another and log it to console.

Solution:



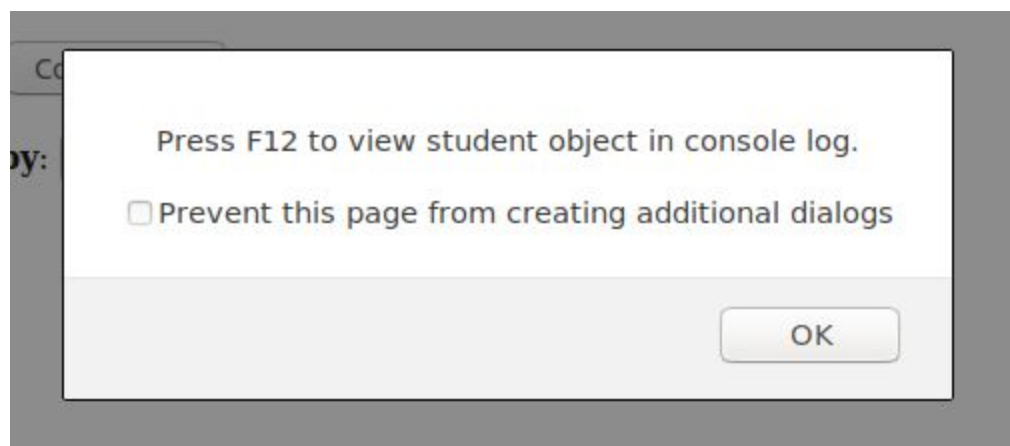
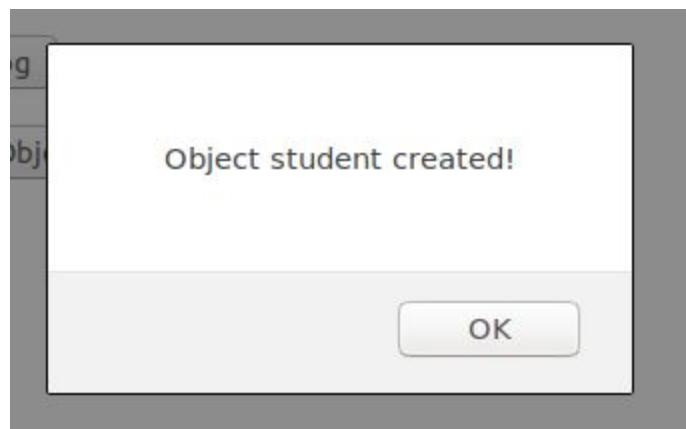
Object copy with console.log

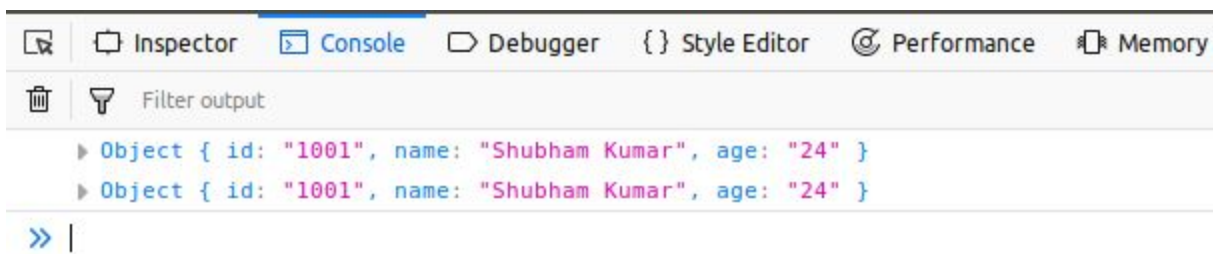
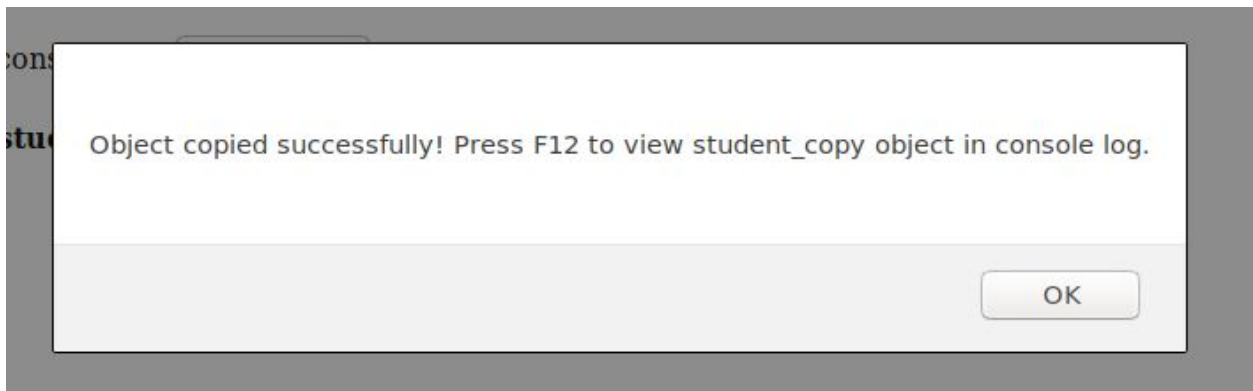
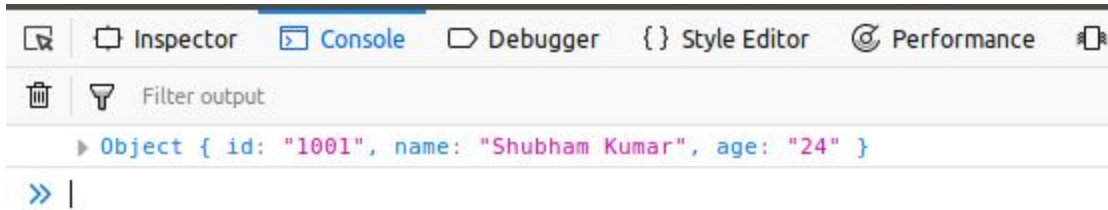
Object: student(id=1001,name="Shubham Kumar",age=24)

Create **student** object: Create Object

Print **student** object to console log: Console Log

Copy **student** object to **student_copy**: Copy Object



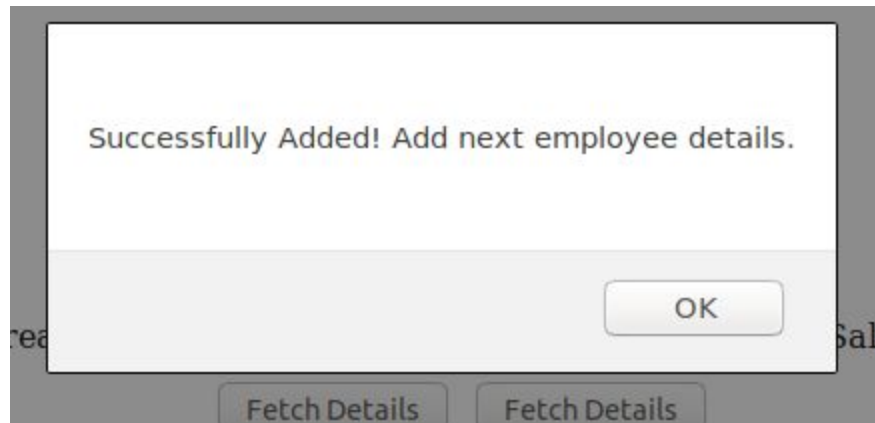


Q5. create a list of objects of Employee with info as follow :

- 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.

Solution:

A screenshot of a web application titled "Object Query". The browser's address bar shows the file path: `file:///home/ttn/JavaScript/Q5.html`. The application has four input fields: "Name:" with the value "Sindhant", "Age:" with the value "20", "Salary:" with the value "100", and "DOB:" with the value "1999". Below these fields is a button labeled "Create Object". At the bottom of the application, there are four buttons: "Display Employees", "Employee Salary Greater 5000", "Group By Age", and "Increment Salary 5%[Salary < 1000 & Age > 20]". Each of these bottom buttons has a smaller "Fetch Details" button next to it.



Object Query x +

file:///home/ttn/JavaScript/Q5.html

Object Query

Name:

Age:

Salary:

DOB:

Create Object

Display Employees

Employee Salary Greater 5000

Group By Age

Increment Salary 5%[Salary < 1000 & Age > 20]

Display Employee

Fetch Details

Fetch Details

Fetch Details

EMPLOYEE DISPLAY
Name: Shubham Kumar Age: 24 Salary: 45000 DOB: 1995
Name: Vijay Kumar Age: 24 Salary: 85420 DOB: 1995
Name: Sindhant Age: 20 Salary: 100 DOB: 1999

Salary > 5000

Object Query x +

file:///home/ttn/JavaScript/Q5.html

Object Query

Name:

Age:

Salary:

DOB:

Create Object

Display Employees

Employee Salary Greater 5000

Group By Age

Increment Salary 5%[Salary < 1000 & Age > 20]

Display Employee

Fetch Details

Fetch Details

Fetch Details

EMPLOYEE WHOSE SALARY > 5000
Name: Shubham Kumar Age: 24 Salary: 45000 DOB: 1995
Name: Vijay Kumar Age: 24 Salary: 85420 DOB: 1995

Increment:

Object Query

file:///home/ttn/JavaScript/Q5.html

Object Query

Name:

Age:

Salary:

DOB:

Create Object

Display Employees

Employee Salary Greater 5000

Group By Age

Increment Salary 5%[Salary < 1000 & Age > 20]

Display Employee

Fetch Details

Fetch Details

Fetch Details

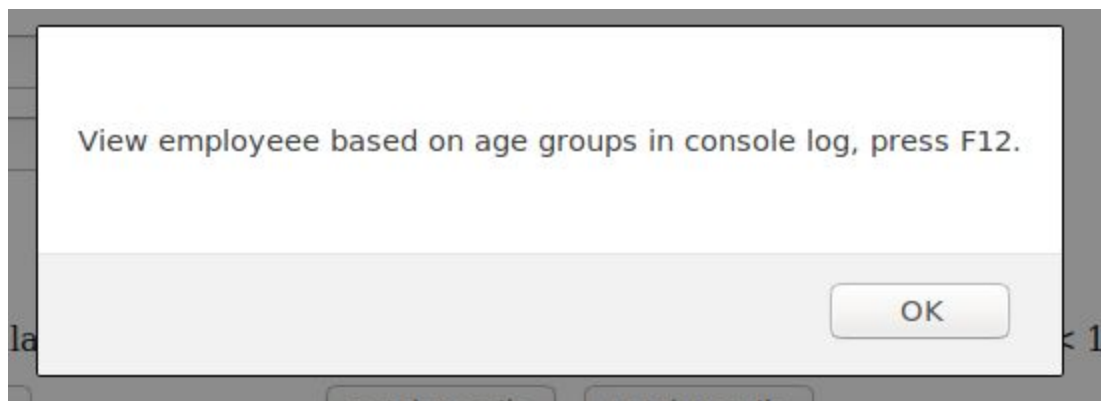
INCREMENTS
Name: Sindhu Priya Age: 21 Salary: 1200 DOB: 1998

Inspector Console Debugger {} Style Editor @ Performance Memory Network Storage Accessibility

Filter output

```
> Object { name: "Shubham Kumar", age: "24", salary: "45000", dob: "1995" }
> Object { name: "Vijay Kumar", age: "24", salary: "85420", dob: "1995" }
> Object { name: "Sindhant", age: "20", salary: "100", dob: "1999" }
> Object { name: "Sindhu Priya", age: "21", salary: "200", dob: "1998" }
```

GroupBy:



```
{...}
  20: (2) [...]
    ▶ 0: Object { name: "Vivek", age: "20", salary: "65325", ... }
    ▶ 1: Object { name: "Nayan", age: "20", salary: "54645", ... }
      length: 2
    ▶ <prototype>: Array []
  24: (2) [...]
    ▶ 0: Object { name: "Shubham", age: "24", salary: "454554", ... }
    ▶ 1: Object { name: "Praveen", age: "24", salary: "21656", ... }
      length: 2
    ▶ <prototype>: Array []
  25: (1) [...]
    ▶ 0: Object { name: "Sridhar", age: "25", salary: "56232", ... }
      length: 1
    ▶ <prototype>: Array []
  ▶ <prototype>: Object { ... }
```
