

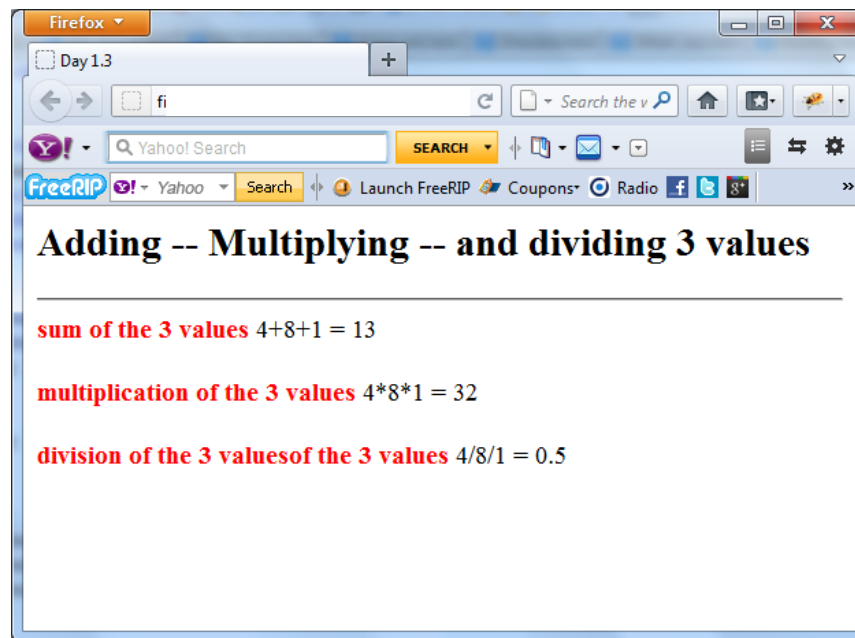
# Client-Side Technologies Lab 4

## (JavaScript Fundamentals)

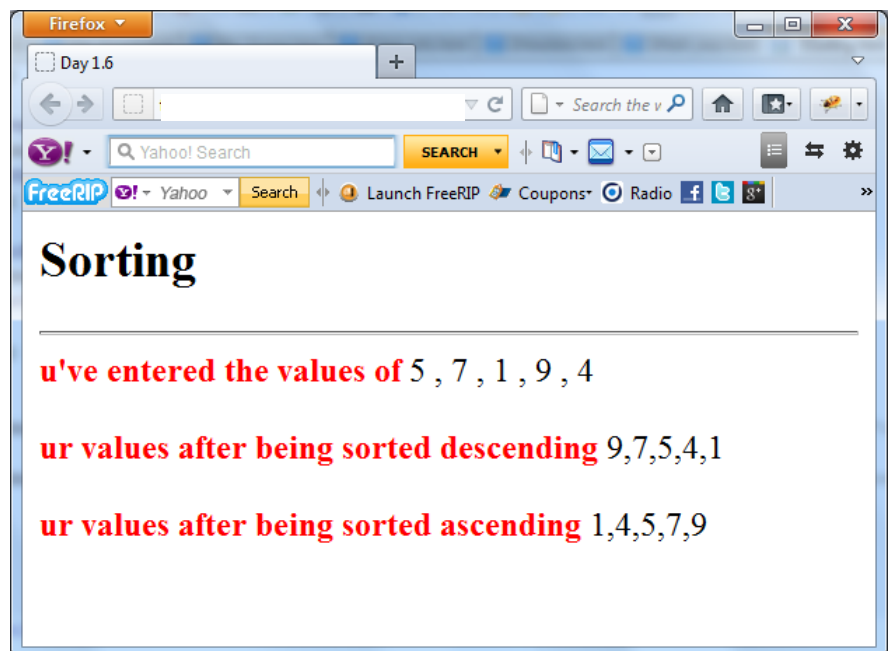
### 1. Array Object

1.1 Fill an array of 3 elements from the user, and apply each of the following mathematical operations on it (+, -, \*, /).

Format the output as shown in Fig.



1.2 Fill an array of 5 elements from the user, Sort it in descending and ascending orders then display the output as shown in Fig.



## 2. Math Object

Write a script that ask the user to

- Enter the value of a circle's radius in order to calculate its area as shown in fig.

What is the value of your circles raduis

OK Cancel

Total area of the circle is 78.53981633974483

☐ Prevent this page from creating additional dialogs

OK

- Enter another value to calculate its square root and alert the result as shown in fig.

What is the value you want to calculate its square root

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OK Cancel

squar root of 16 is 4

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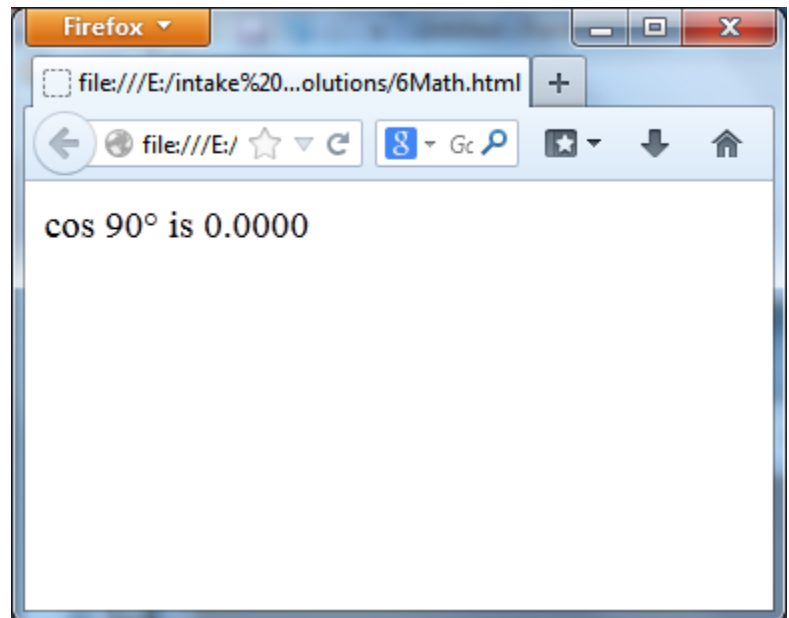
OK

- Enter an angle to calculate its cos value then display the output as shown in Fig.

What is the angle you want to calculate its cos value

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OK Cancel



## **2.1 BOM (Window Object)**

**2.1.1. Create a parent window that opens a flying child window. Hint: Start by creating a parent window that opens a child window.**

**Child window should always be on top view and moves up and down within boundaries of user screen.**

**Parent window should contain a button that stops child window movement.**

**2.1.2. Write a script that shows a “typing message” appearing in a new child window. The new window should close after few seconds of displaying your message.**

**2.1.3. Create a parent a window that opens a scrollable advertising child window.**

## **2.2. BOM (Location Object)**

**2.2.1. Update the task of day two to make the welcoming page display a greeting for the user by his name and show a display of his interests and info (address, gender, email, mobile).**