

CSC 110 — Lab: Arrays

Name: _____ Date: _____

1. Create an Array object named **list** and push the four strings **this**, **is**, **for**, **lab**, and the number **13** onto the Array. What is printed by the following statement:
`document.write("<p>" + list);`
2. Use **document.write** to print out the value of the length property of Array. What is the value of **list.length**?
3. What does the following statement do to the Array?
`list[7] = "the end";`
4. What is the value of **list.length** now?
5. Use the push method to add the strings **added**, **using**, **push** to the Array. What are the contents of the Array?
`list.push("added", "using", "push");`
6. What is the value of **list.length** now?
7. What is printed out by the following statement?
`document.write("<p>" + list.pop());`
8. What has happened to the contents of the Array?
9. What is the value of **list.length** now?
10. What is the effect of the **pop** method on the Array?

11. What is printed out by the following statement?
`document.write("<p>" + list.shift());`
12. What has happened to the contents of the Array?
13. What is the value of **list.length** now?
14. What is the effect of the **shift** method on the Array?
15. Use the **unshift** method to add the strings **calling** and **unshift** to the Array. What are the contents of the Array?
`list.unshift("calling", "unshift");`
16. What is the value of **list.length** now?
17. What is the effect of the **unshift** method on the Array?
18. Use the documentation (see the Resources page on the course web site, look at the JavaScript references) to find the descriptions of **shift**, **unshift**, **push**, and **pop**. What other methods are there for Array?
19. What is the effect of the following statements?
`list[5] = document;
list[5].title = "Look at that!";
list[5].write("<p>Using list[5]");`
20. Does there seem to be any limitation on what an Array can hold?