

STRING METHODS

Assignment # 21-25
JAVASCRIPT

1. Write a program that takes two user inputs for first and last name using prompt and merge them in a new variable titled **fullName**. Greet the user using his full name.
2. Write a program to take a user input about his favorite mobile phone model. Find and display the length of user input in your browser

My favorite phone is: Samsung Galaxy S6 Edge Plus
Length of string: 28

3. Write a program to find the index of letter “n” in the word “Pakistani” and display the result in your browser.

String: Pakistani
Index of 'n': 7

4. Write a program to find the last index of letter “l” in the word “Hello World” and display the result in your browser.

String: Hello World
Last index of 'l': 9

5. Write a program to find the character at 3rd index in the word “Pakistani” and display the result in your browser.

String: Pakistani
Character at index 3: i

6. Repeat Q1 using string concat() method.

7. Write a program to replace the “Hyder” to “Islam” in the word “Hyderabad” and display the result in your browser.

City: Hyderabad
After replacement: Islamabad

8. Write a program to replace all occurrences of “**and**” in the string with “**&**” and display the result in your browser.

var message = “Ali and Sami are best friends. They play cricket and football together.”;

9. Write a program that converts a string “472” to a number 472. Display the values & types in your browser.

Value: 472
Type: string
Value: 472
Type: number

10. Write a program that takes user input. Convert and show the input in capital letters.

User input: peanuts
Upper case: PEANUTS

11. Write a program that takes user input. Convert and show the input in title case.

User input: javascript
Title case: Javascript

12. Write a program that converts the variable **num** to string.
`var num = 35.36 ;`
Remove the dot to display “3536” display in your browser.

Number: 35.36
Result: 3536

13. Write a program to take user input and store username in a variable. If the username contains any special symbol among [`@ . , !`], prompt the user to enter a valid username. For character codes of [`@ .`

Note:

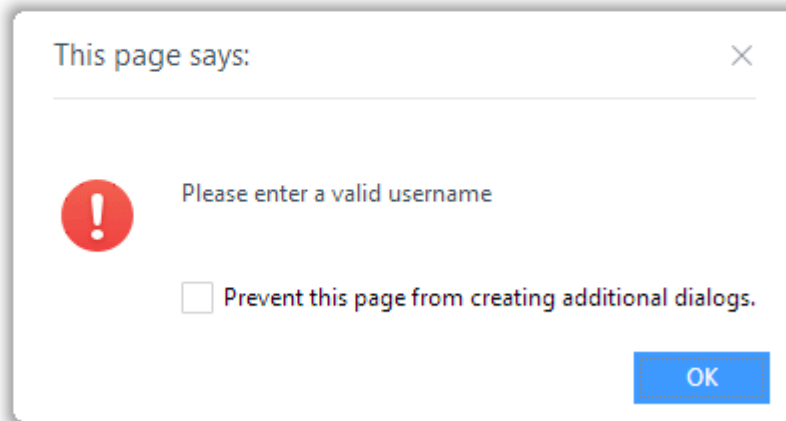
ASCII code of `!` is 33

ASCII code of `,` is 44

ASCII code of `.` is 46

ASCII code of `@` is 64

cm@d

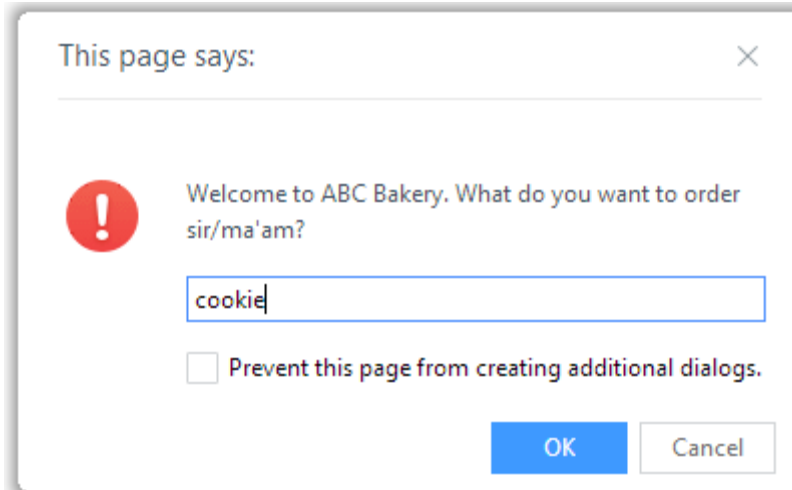


14. You have an array

$A = [\text{"cake"}, \text{"apple pie"}, \text{"cookie"}, \text{"chips"}, \text{"patties"}]$

Write a program to enable “search by user input” in an array. After searching, prompt the user whether the given item is found in the list or not.

Note: Perform case insensitive search. Whether the user enters cookie, Cookie, COOKIE or coOkIE, program should inform about its availability. Example:



This page says:

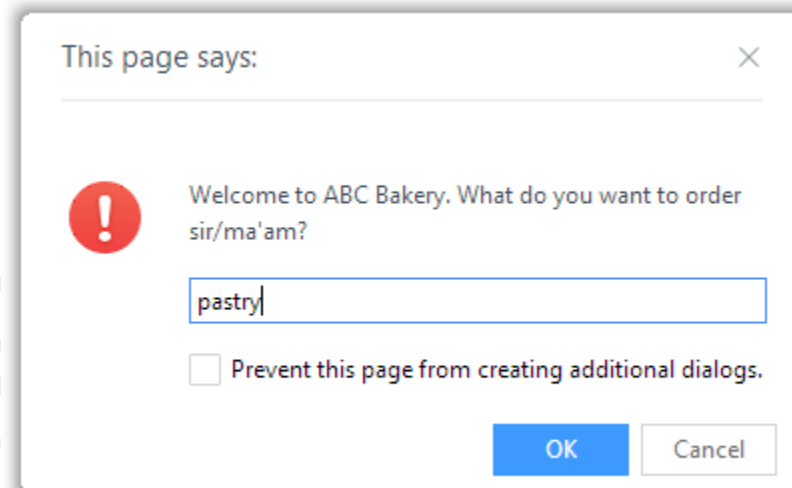
Welcome to ABC Bakery. What do you want to order sir/ma'am?

cookie

☐ Prevent this page from creating additional dialogs.

OK Cancel

cookie is **available** at index 2 in our bakery



This page says:

Welcome to ABC Bakery. What do you want to order sir/ma'am?

pastry

☐ Prevent this page from creating additional dialogs.

OK Cancel

We are sorry. pastry is **not available** in our bakery

15. Write a program to take password as an input from user. The password must qualify these requirements:
- It should contain alphabets and numbers
 - It should not start with a number
 - It must at least 6 characters long
- If the password does not meet above requirements, prompt the user to enter a valid password.
For character codes of **a-z**, **A-Z** & **0-9**, refer to ASCII table at the end of this document.

Entered password: 123cmad

Password can not begin with a number

Please enter a valid password

16. Write a program to convert the following string to an array using string split method.

var university = "University of Karachi";

Display the elements of array in your browser.

U
n
i
v
e
r
s
i
t
y

o
f

K
a
r
a
c
h
i

17. Write a program to display the last character of a user input.

User input: Pakistan
Last character of input: n

18. You have a string “The quick brown fox jumps over the lazy dog”. Write a program to count number of occurrences of word “the” in given string.

Text: The quick brown fox jumps over the lazy dog
There are 2 occurrence(s) of word 'the'