PRE - BOOTCAMP WORKOUT

<u>COMPUTER NUMBER SYSTEM</u>

EXTERNAL RESOURCES:

1. https://www.tutorialspoint.com/computer_fundamentals/computer_number_system.htm
2. https://www.tutorialspoint.com/computer_fundamentals/computer_number_conversion.htm
3. https://www.geeksforgeeks.org/number-system-and-base-conversions/
4. https://www.tutorialspoint.com/computer_logical_organization/complement_arithmetic.htm
5. https://www.tutorialspoint.com/computer_logical_organization/binary_arithmetic.htm
6. https://www.tutorialspoint.com/computer_logical_organization/logic_gates.htm
7. https://www.dyclassroom.com/conversion/decimal-to-binary-conversion-of-a-number-with-fractional-part

<u>COMPUTER NETWORKS BASICS</u>

EXTERNAL RESOURCES:

1. http://www.vlsm-calc.net/ipclasses.php
2. https://www.tutorialspoint.com/ipv4/ipv4_address_classes.htm

LINUX

EXTERNAL RESOURCES:

1. https://github.com/thehackingschool/linuxfun/blob/master/linuxfun.pdf
2. https://wiki.ubuntu.com/Training?action=AttachFile&do=get&target=DesktopCourseStudentGuide.pdf
3. https://www.youtube.com/playlist?list=PLS1QulWo1RIb9WVQGJ_vh-RQusbZgO_As

HTML5

EXTERNAL RESOURCES:

1. https://www.w3schools.com/html/default.asp
2. https://developer.mozilla.org/en-US/docs/Learn/HTML

HTML5 TASKS SHOULD BE SUBMITTED:

1. https://developer.mozilla.org/en-US/docs/Learn/HTML/Howto
2. https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Your_first_HTML_form
3. https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/How_to_structure_an_HTML_form
4. https://developer.mozilla.org/en-US/docs/Learn/HTML/Tables/Basics
5. https://developer.mozilla.org/en-US/docs/Learn/HTML/Tables/Advanced
6. https://developer.mozilla.org/en-US/docs/Learn/HTML/Multimedia_and_embedding/Responsive_images
7. https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/The_head_metadata_in_HTML#Setting_the_primary_language_of_the_document

8. https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/Advanced_text_formatting#Marking_up_times_and_dates

CSS3

EXTERNAL RESOURCES:

1. https://www.w3schools.com/w3css/
2. https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS
3. https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS/How_CSS_works
4. https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS/Syntax
5. https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS/Selectors
6. https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS/Values_and_units
7. https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS/Box_model
8. https://www.w3schools.com/css/css_exercises.asp

JAVASCRIPT

EXTERNAL RESOURCES:

1. https://eloquentjavascript.net/Eloquent_JavaScript.pdf
2. http://www.stilson.net/documentation/javascript.pdf
3. https://www.w3schools.com/js/
4. https://www.w3schools.com/js/js_htmldom.asp

JAVASCRIPT TASKS SHOULD BE SUBMITTED:

1. Implementing CRUD App using plain Javascript and HTML Tables. *CRUD - Create, Read, Update, Delete

BASICS OF ALGORITHMS

Problem - 1:

Write a program to given input Check whether Even or odd.

Problem - 2:

Write a program that prints the numbers from 1 to 100 and for multiples of '3' print "Fizz" instead of

the number and for the multiples of '5' print "Buzz". If its multiple of both 3 and 5, print "FizzBuzz"

Problem - 3:

Write a program to find the Sum of Array Elements.

Problem - 4:

Write a program to check whether a number is a positive number or a negative number?

Problem - 5:

Write a program for swapping of two arrays

Problem - 6:

Write a program to find the maximum number in an array using the function

Problem - 7:

Write a program to find Mean of given Array Elements?

Problem - 8:

Write a program to check whether the given character is vowel or consonant

Problem - 9:

Write a program to find the largest number among the three numbers

Problem - 10:

Write a program to Check Whether the given year is a leap year or not