

To do this quiz, you may reference anything (Internet, Assignments, Books, etc.) **except** persons (other than yourself) directly or indirectly. You may also start from your existing relevant assignment to tailor the code for the quiz.

Completion: Required

Submission: Required

Last Name: _____

First Name: _____

1) How and what to submit?

Submit the following (upload in Blackboard to the available container) in **"one"** **PDF document** (not in docx or any other format):

- i) The certification page (see next page) should be the first page, followed by
- ii) your solution to the problems given on this assignment.

One way is to copy the certification page and your solution to the problems into a Word document and then save the Word document as PDF, and upload the PDF version (not docx version). Only the PDF version will be graded.

2) Only ONE upload attempt is allowed: Before submitting a document through Blackboard, you should review the document being uploaded to make sure that you are uploading the correct document (e.g. do not upload the assignment belonging to another course). To help you prevent uploading wrong documents, notes (titled **"HelpOnSubmissionThroughBlackboard"** on how to save & review drafts before final submission have been uploaded under **Reference Material** folder.

Certification Page

This page must be the first page of your uploaded document.

Your assignment will not be graded without this page (completed with your full name in the area provided) as the first page of your uploaded document.

I, _____, certify that the work I am uploading represents my own efforts, and is not copied from anyone else or any other resource (such as Internet). *Furthermore, I certify that I have not let anyone copy from my work.*

Quiz Portion (This portion needs to be submitted for credit through Blackboard.)

1) Use React, AngularJS, and ChartJS to enhance the website you developed in Quiz #4. Use AJAX to auto-refresh the website.

Time-stamp of last update from DBOR: *date + time*

Device Name	Status
SW1	0
LED1	1

Include the following in your submission:

- React/AngularJS/HTML code
- CSS code (if any)
- JS code (if any)
- PHP code (if any)
- Snapshots demonstrating the following:
 - a) Take Initial snapshots of the DBOR device table, RPi's SW1 and LED1, and your website.
 - b) Change SW1 on RPi's side (e.g. from initial value of 0 to 1) and take snapshots of the DBOR **device** table, RPi's SW1 and LED1, and your website.
 - c) Change LED1 in DBOR (e.g. from initial value of 1 to 0) and take snapshots of the DBOR **device** table, RPi's SW1 and LED1, and your website.