Module 3 Quiz

TOTAL POINTS 8

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1. What is the function of the linking process after compilation?   `1 point`

    ○ It writes the executable into the memory of the Arduino

    ● It merges the libraries with the application code into a single executable

    ○ It converts the format of the executable file into .hex format

    ○ All of the above

2. What is the role of avrdude?   `1 point`

    ● It writes the executable into the memory of the Arduino

    ○ It merges the libraries with the application code into a single executable

    ○ It converts the format of the executable file into .hex format

    ○ None of the above

3. Why are classes (in C++) useful?   `1 point`

    ○ Their use improves code performance

    ○ They reduce the memory requirements on the processor

    ○ They allow the programmer to evaluate the performance of the system

    ● They improve the organization and understandability of the code

4. What is one way that a sketch can invoke a function contained inside a class?   `1 point`

    ○ The name of the function can be concatenated with the name of the class, with a comma in between.

    ○ The name of the function can be concatenated with the name of the class, with a colon in between.

    ● The name of the class can be concatenated with the name of the function, with a period in between.

    ○ The name of the class can be concatenated with the name of the function, with no symbol in between.

5. Which of the following statements is true?   `1 point`

    ○ The setup() function is executed once and the loop() function is executed a fixed number of times

○ The setup() function is executed after each iteration of loop().

○ The loop() function must contain either a while loop or a for loop.

◉ The setup() function is executed once and the loop() function is executed iteratively, as long as the Arduino is powered on.

6. True or False: An analog pin can accept analog inputs and drive analog outputs.   (1 point)

○ True

◉ False

7. If a sketch running on an Arduino UNO executes the following statements, what voltage would be expected on pin 1 afterwards?   (1 point)

```
1  pinMode(1, OUTPUT);
2  digitalWrite(1, HIGH);
```

○ 0

○ 3.3

◉ 5

○ 12

8. True or False: The delay() function causes program execution to pause for a number of milliseconds.   (1 point)

◉ True

○ False

☑ I, **VIJAY RAGHUWANSHI**, understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account.

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