

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

Ans: It merges the libraries with the application code into a single executable

2. What is the role of avrdude?

Ans: It writes the executable into the memory of the Arduino

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

Ans: 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?

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

5. Which of the following statements is true?

Ans: 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.

Ans: False

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

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

Ans: 5

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

Ans: True