

# The Arduino Platform and C Programming

## WEEK 3: QUIZ

**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*