**Integrated Development Environment**

1. List five main features of a software integrated development environment (IDE)
2. For each main feature listed in #1 above, explain the feature and how the Arduino Create environment provides this feature.

**Version Control System**

1. List five main features of a software version control system.
2. For each main feature listed in #3 above, explain the feature and how the GitHub environment provides this feature.
3. Explain any version control features that we have not made use of in the class so far but that would be useful in the future.

**Programming Errors**

1. Define and explain a “syntax error” when programming code.
2. Create a sample Arduino program that has a syntax error. Answer this question by copying and pasting your sample code below and by providing an explanation.
3. Define and explain a “runtime error” when programming code.
4. Create a sample Arduino program that has a runtime error. Answer this question by copying and pasting your sample code below and by providing an explanation.
5. Define and explain a “logic error” when programming code.
6. Create a sample Arduino program that has a logic error. Answer this question by copying and pasting your sample code below and by providing an explanation.