# Level 2: Using External Documentation

1. Read the on-line documentation to become familiar with the Arduino IDE and command language.
2. Identify each program command and program statement in your blink program.
   * + 1. Use the on-line documentation to make notes on each command so you understand and can explain every part of your program.

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| Line | Code | Explanation |
| 1 | void loop() | This means that the following code will go forever on without stopping. |
| 2 | digitalWrite(LED\_BUILTIN, HIGH) | This means that the built-in led gets powered on by this command. |
| 3 | delay(1000) | This means the there is a delay until the next command. 1000 means 1 sec. |
| 4 | digitalWrite(LED\_BUILTIN, LOW) | This means that the built-in led gets powered off by this command. |
| 5 | delay(1000) | This means the there is a delay until the next command. |

1. The difference between variables and constants is that variables can change their value at any time but constants can never change their value.
2. Explain the following:
   1. Syntax error: a piece of code incorrectly placed in a command or instruction that causes a failure in execution.
   2. Logic error: is a bug that creates a crash in a program or code.
   3. Run-time error: is an error while the program is running.