

The Java Programming Structure

IFT 194: Lab 1

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Part A

I've installed the Java Development Kit (JDK) on my laptop, which is running Ubuntu 16.04 LTS. We can verify this as follows.

Challenges I faced in writing this lab report were primarily around formatting. Because I've chosen \LaTeX to present my code and findings,

```

package lab_1;

public class Driver
{
    public static void main(String[] args)
    {
        System.out.println("Roses are red");
        System.out.println("Violets are blue");
        System.out.println("Sugar is sweet");
        System.out.println("And so are you!");
    }
}

```

Figure 1: Driver.java

```

//*****
// Count.java
// Brandon Doyle
// 1215232174
// Using comments in a Java program
// Demonstrate inline and single-line comment usage in Java programs.
//*****

package lab_1;

public class Count
{
    /**
     * Print strings to the console.
     *
     * @param args Not used.
     */
    public static void main(String[] args)
    {
        // English
        System.out.println("one two three four five");

        // French
        System.out.println("un deux trois quatre cinq");

        // Spanish
        System.out.println("uno dos tres cuatro cinco");
    }
}

```

Figure 2: Count.java

```

#!/usr/bin/env python3.6
# -*- coding: utf-8 -*-
# vim:fenc=utf-8
#
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"""

"""

import cmd

class Visual(cmd.Cmd):
    """ simple cmd line example """

    prompt = 'Visual$ '

    def do_h(self, line: str) -> None:
        self.do_help(line)

    def do_greet(self, line) -> None:
        print('hello')

    def do_EOF(self, line) -> bool:
        return True

    def postloop(self) -> None:
        print()

if __name__ == '__main__':
    Visual().cmdloop()

```

Figure 3: test_onto.py