

Brianna Garland
CPE 551
Final Project Abstract

One of the most common things a software developer does is look up syntax. Once someone knows how to program and the problem solving thinking behind it all that is left is to apply the correct syntax. For my final project I am proposing a syntax searcher. Where a user can enter the type of code structure and the language they want to see the syntax of it in. The program will display a coding sample of the code structure in the desired language. For example. The user would enter: for loop , python. And the program would display something along the lines of:

```
for i in listName:  
    #code to be repeated throughout the loop
```

This will greatly benefit new employees, interns and students who know one language and are trying to learn another in a short amount of time. It has the potential to greatly increase productivity and work efficiency. I would have a certain set of languages to choose from: (Java, Python, C++, Javascript, C) and a certain set of coding structures to choose from (for loops, variables, while loops, switch statements, print statements and more). For this project I will be hard coding them all within my code.