



Challenge Discussion of Introduction to Coding for AI

Some Errors and how I solved them.



Syntax Error

The most common issues that i faced was the syntax errors, which occur when my code is written in a way that python cannot understand. Before I learn what it was, i paste the error code on google and i find the solution on

- <https://stackoverflow.com/questions/tagged/syntax-error>
- <https://realpython.com/invalid-syntax-python/>

But later on when I knew what it was , I'll just carefully review my code and find what was missing since Jupyter also has an indicator it helped with this.



Solving Syntax error:

- Carefully review your code:
- Use a code editor:
- Use the built-in error messages:
- Use a debugger:
- Consult official documentation or public forums

Syntax error

```
In [1]: #####  
# Syntax Exercise #  
#####  
  
global_variable = 10  
  
# The following is called "IF statement":  
if global_variable <= 2.5  
    print("Please insert more coins to get a drink")  
    # <--- Notice the two spaces before the hash  
  
print("Print this always")
```


File "C:\Users\USER\AppData\Local\Temp\ipykernel_13060\2817231196.py", line 8

```
if global_variable <= 2.5
```

SyntaxError: invalid syntax

Indentation error

```
In [3]: #####  
        # Syntax Exercise #  
        #####  
  
        global_variable = 10  
  
        # The following is called "IF statement":  
        if global_variable <= 2.5:  
            print("Please insert more coins to get a drink")  
            # <--- Notice the two spaces before the hash  
  
        print("Print this always")  
  
File "C:\Users\USER\AppData\Local\Temp\ipykernel_13060\2893332391.py", line 9  
    print("Please insert more coins to get a drink")  
    ^  
IndentationError: expected an indented block
```




Indentation error was also an error that I got along the line , as I was not too accustomed with python indentations, especially for the If statements. But I also checked up more about this error on Google and became familiar with it. some sites I used were:

- <https://stackoverflow.com/>
- <https://realpython.com/>

In getting familiar with this error I copied the error message to google in the hope of finding more information about it, then I got more information from stackoverflow and realpyhon, I read about why it usually happen and the best practices in making sure you avoid it, which include

- Use a consistent indentation style:
- Use a code editor with indentation highlighting:
- Pay attention to indentation in code blocks:
- Use the built-in error messages:
- Use a debugger



In conclusion I learnt that getting error is inevitable and you have to kind of get use to it, but the first thing to do is not to panic and just copy, paste the error message because the answer is most definitely somewhere on the internet. This was also the highlight of the feedback I received and I'll be incorporating this as I continue to code in the future.