**Day 1 – Introduction - python**

Python is a powerful general-purpose programming language. It is used in web development, data science, creating software prototypes, and so on. Fortunately for beginners, Python has simple easy-to-use syntax. This makes Python an excellent language to learn to program for beginners

print("Hello, World!")

**Python Install**Download it for free from the following website: <https://www.python.org/>

To check if you have python installed on a Windows PC, search in the start bar for Python or run the following on the Command Line (cmd.exe):

python –version

**How to print a value?**

print("30 days 30 hour challenge")  
print('30 days 30 hour challenge')

**Assigning String to Variable:**

Hours = "thirty"  
print(Hours)

Copy and paste above code , you will get error message as below.

SyntaxError: multiple statements found while compiling a single statement

Try below:

>>> Hours = "thirty"

>>> print(Hours)

Hope u got now how to resolve this error in one way.

**Indexing using String:**

Days = "Thirty days"

print(Days[0])

Output will be T because Index value starts from 0. Try replacing some other number

**How to print the particular character from certain text?**

Challenge = "I will win"

print(Challenge[7:10])

**Print the length of Character:**

Challenge = "I will win"

print(len(Challenge))

**Convert String into lower character;**

Challenge = "I will win"

print(Challenge.lower())

**String Concatenation – Joining two strings**

a = "30 Days"  
b = "30 hours"  
c = a + b  
print(c)

**Adding space during concatenation**

a = "30 Days"  
b = "30 hours"  
c = a + " " + b  
print(c)

**casefold() - Usage**

text = "Thirty days and Thirty hours"  
x = text.casefold()  
print(x)

**Exercise:**

1. **Install Python IDE (jupyter notebook, python & pycharm)**
2. **Create a string and slice from 2nd value to last value**