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

In [3]:
```
print("Hello, World!")
```

```
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
```

In [4]:
```
! python --version
```

```
Python 3.7.3
```

How to print a value?

In [5]:
```
print("30 days 30 hour challenge")
print('30 days 30 hour challenge')
```

```
30 days 30 hour challenge
30 days 30 hour challenge
```

Assigning String to Variable:

In [6]:
```
Hours = "thirty"
print(Hours)
```

```
thirty
```

Indexing using String:

In [7]:
```
Days = "Thirty days"
print(Days[0])
```

```
T
```

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

How to print the particular character from certain text?

In [8]:
```
Challenge = "I will win"
print(Challenge[7:10])
```

```
win
```

Print the length of Character:

In [9]:
```
Challenge = "I will win"
print(len(Challenge))
```

```
10
```

Convert String into lower character:

In [10]:
```
Challenge = "I will win"
print(Challenge.lower())
```

```
i will win
```

String Concatenation – Joining two strings

In [11]:
```
a = "30 Days"
b = "30 hours"
c = a + b
print(c)
```

```
30 Days30 hours
```

Adding space during concatenation

In [12]:
```
a = "30 Days"
b = "30 hours"
c = a + " " + b
print(c)
```

```
30 Days 30 hours
```

casefold() - Usage

In [13]:
```
text = "Thirty days and Thirty hours"
x = text.casefold()
print(x)
```

```
thirty days and thirty hours
```

Exercise

a) Install Python IDE (jupyter notebook, python & pycharm)

In [15]:
```
%%cmd
python --version
jupyter --version
```

```
Microsoft Windows [Version 10.0.17763.107]
(c) 2018 Microsoft Corporation. All rights reserved.

(base) C:\Users\lenovo>python --version
Python 3.7.3

(base) C:\Users\lenovo>jupyter --version
jupyter core     : 4.5.0
jupyter-notebook : 6.0.0
qtconsole        : 4.5.1
ipython          : 7.6.1
ipykernel        : 5.1.1
jupyter client   : 5.3.1
jupyter lab      : 1.0.2
nbconvert        : 5.5.0
ipywidgets       : 7.5.0
nbformat         : 4.4.0
traitlets        : 4.3.2

(base) C:\Users\lenovo>
```

I have successfully installed Python & Jupyter Notebook

b) Create a string and slice from 2nd value to last value

In [16]:
```
string="BestEnlist"
print(string[1:])
```

```
estEnlist
```

Completed Day 1's notes & exercises

THANK YOU!

Check out My Repository at https://github.com/AakankshaJarode/BestEnlist_Python_Internship.git (https://github.com/AakankshaJarode/BestEnlist_Python_Internship.git)

Chech out My LinkedIn Page at https://www.linkedin.com/in/aakanksha-jarode-1b0195179 (https://www.linkedin.com/in/aakanksha-jarode-1b0195179)