Assignment 2

Class: Class 2

Group: Group 6

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In [ ]:

QUESTION 1

> Given the string below, use a python method to show their length
>
> **a**. 'Obiajulu'
>
> **b**. 'Thestrongestnation'
>
> **c**. 'AlvanCohort'

In [1]:
```
 '''To show the length of strings,
 Declare the variable name for each string'''

name = 'Obiajulu'
nigeria = 'Thestrongestnation'
training = 'AlvanCohort'
```

1.a

In [7]:
```
name_length = len('Obiajulu')
```

In [9]:
```
print('The length of', name, 'is', name_length)
```

```
The length of Obiajulu is 8
```

1.b

In [11]:
```
nigeria_length = len('Thestrongestnation')
```

In [18]:
```
print('The length of', nigeria, 'is', nigeria_length)
```

```
The length of Thestrongestnation is 18
```

1.c

In [19]:
```
training_length = len('AlvanCohort')
```

In [21]:
```
print('The length of', training, 'is', training_length)
```

```
The length of AlvanCohort is 11
```

QUESTION 2

> In number 1b., format the string to be 'The strongest nation'
>
> **b**. Convert skill up to SKILL UP and Skill Up

2.a

In [24]:
```
# To format the string 'Thestrongestnation'

substring_1 = nigeria[0:3]
substring_2 = nigeria[3:12]
substring_3 = nigeria[12:18]
```

In [28]:
```
formatted = '{} {} {}'.format(substring_1, substring_2, substring_3)
```

In [27]:
```
print(formatted)
```

```
The strongest nation
```

2.b

In [29]:
```
name = 'skill up'
```

In [36]:
```
name = name.upper()
```

In [37]:
```
print(name)
```

```
SKILL UP
```

In [30]:
```
sub_name_1 = name[0:1]
sub_name_2 = name[1:5]
sub_name_3 = name[6:7]
sub_name_4 = name[7:8]
```

In [32]:
```
sub_name_1 = sub_name_1.upper()
sub_name_3 = sub_name_3.upper()
```

In [34]:
```
print(sub_name_1 + sub_name_2 + ' ' + sub_name_3 + sub_name_4)
```

```
Skill Up
```

QUESTION 3.

> Using proper indexing select from the word interlocutory
>
> **a**. Inter

> **b**. locut
>
> **c**. tory
>
> **d**. Using string concatenation, create the word 'locutory'

In [46]:
```
# Index for the selection of the word 'interlocutory'

word = 'interlocutory'
```

3.a

In [47]:
```
word[0:5]
```

Out[47]:
```
'inter'
```

3.b

In [48]:
```
word[5:10]
```

Out[48]:
```
'locut'
```

3.c

In [49]:
```
word[9:13]
```

Out[49]:
```
'tory'
```

3.d

In [50]:
```
# string concatenation for creating the word 'locutory'

word1 = 'locu'
word2 = 'tory'
```

In [51]:
```
concatenated_string = word1 + word2
```

In [52]:
```
print(concatenated_string)
```

```
locutory
```

QUESTION 4

> Split the following into list of
>
> **a**. 'Obi is a great leader'
>
> **b**. 'tomato/leaves/mango/knives

> **c**. 'computer,desktop,phones'

4.a

In [53]:
```
# using split function to list words
```

In [54]:
```
statement = 'Obi is a great leader'
```

In [55]:
```
statement.split()
```

Out[55]:
```
['Obi', 'is', 'a', 'great', 'leader']
```

4.b

In [41]:
```
inanimates = 'tomato/leaves/mango/knives'
```

In [42]:
```
inanimates.split('/')
```

Out[42]:
```
['tomato', 'leaves', 'mango', 'knives']
```

4.c

In [43]:
```
gadgets = 'computer,destop,phones'
```

In [44]:
```
gadgets.split(',')
```

Out[44]:
```
['computer', 'destop', 'phones']
```

In [ ]:
```

```

The End

In [ ]:
```

```