

Python Camp Level 1

Day 2 Exercises [11.11.22]

Example #001 | Spirit Animal | Print out the name of your spirit animal and why in a print statement 🐾

```
In [1]: 1 print('My spirit animal is a raccoon because they are smart, creative and h
```

My spirit animal is a raccoon because they are smart, creative and have bags under their eyes.

Example #002 | Knock Knock | Now let's try to manipulate our strings inside the print function. Use the multi line string to print out as many lines of code needed for a joke! 🐾💡

```
In [2]: 1 print('''A teacher asks his class to use the word "dandelion" in a sentence
2 A Student raises her hand and says "Da Cheetuh is fastuh dan de lion".''')
```

A teacher asks his class to use the word "dandelion" in a sentence...
A Student raises her hand and says "Da Cheetuh is fastuh dan de lion"..

Example #003 | The answer is | Create a variable that stores the sum of two integers. Then display the total back to the user in a user-friendly way.

```
In [3]: 1 num1 = 324
2 num2 = 492
3 answer = num1 + num2
4 print('The answer is', answer)
```

The answer is 816

Example #004 | Ask the User! | Ask the user to enter one interesting hobby and display a message containing that variable in a user-friendly way.

```
In [4]: 1 hobby = input('Please tell me one hobby that you are interested in: ')
        2 print('Wow! I also love to',hobby)
```

Please tell me one hobby that you are interested in: Snowboarding
Wow! I also love to Snowboarding

Example #005 | What is your age!? | Ask the user to enter their age. And display to that user how old they will be in 100 years! (Remember that the age is an **integer** data type)

```
In [5]: 1 age = int(input('Please enter your age: '))
        2 new_age = age + 100
        3 print('In 100 years, you will be', new_age, 'years old!')
```

Please enter your age: 27
In 100 years, you will be 127 years old!

Concatenation means adding two strings together!

```
In [6]: 1 text1 = 'Lannon'
        2 text2 = 'Khau'
        3 full_name = text1 + text2
        4 print(full_name)
```

LannonKhau

Spotting Bugs 🐸 🐙 🐛 🐞

Example #006 | Problems with Concatenation | Remember that Concatenation means that you can only add **strings** together. You cannot add an integer and string, otherwise you will run into an error message. Let's try!

In [7]:

```
1 name = input('Please enter your name: ')
2 age = int(input('Please enter your age: '))
3 username = name + age
4 print(username)
```

Please enter your name: Lannon

Please enter your age: 27

```
-----
TypeError                                 Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_16532\1794750624.py in <module>
      1 name = input('Please enter your name: ')
      2 age = int(input('Please enter your age: '))
----> 3 username = name + age
      4 print(username)
```

TypeError: can only concatenate str (not "int") to str

What are some ways you might be able to fix this error?

What to do when faced with obstacle? 🏔️

1. Cry in a corner
2. Eat a pie
3. Throw a tantrum
4. **Be calm and read the error message** 🙏

Congratulations! You're ready to try out your own mission objectives. 🧑🏽🧑🏻🧑🏼