

Name: Michelle Orna

Python for Data Analytics

1. What is Python and why is it useful?
 - Python is a general purpose, interpreted, interactive, object-oriented, and high-level programming language. It is useful because it can work on very, very large datasets, performs complex operation and the code can be saved and re-run.
2. Are the following variable names allowed in python?
 - a. 1_message
 - b. Greeting_message
 - c. Message_1
 - d. First name
 - e. Full_name
 - No. A and D are not allowed.
3. Create a variable that holds the string "hello there!"

```
✓ 0s ▶ msg="Hello there!"  
print(msg)  
  
Hello there!
```

4. Create a variable for first name, last name and an email extension. Concatenating all three together to form an email address. For example: firstname.lastname@gmail.com

```
▶ #Create a variable for first name, last name and email extension  
first_name="michelle"  
last_name="orna"  
email=first_name + last_name + '@gmail.com'  
print(email)  
  
✂ michelleorna@gmail.com
```

5. Store someone you know name in a variable called name. Print their name in lower and uppercase using a method.

```
name="Cris"  
print(name.lower())  
print(name.upper())  
  
cris  
CRIS
```

6. Using a variable, ask your friend if they want to hang out on the 15th of the month. For example, "Do you want to hang out on the 15th of this month?" You should have to convert the number to a string.

```
date=15  
msg="Hey, do you want to hang out on the "+str(date)+"th of this month?"  
print(msg)  
  
Hey, do you want to hang out on the 15th of this month?
```

