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Python for Data Analytics

1. What is Python and why is it useful?

Python is an open sourced programming language that is free to use. Python is a very useful programming language to work on very large databases. It can also perform complex operations with ease, and also a very useful tool for web development.

2. Are the following variable names allowed in python?

- a. 1_message - No
- b. Greeting_message - yes
- c. Message_1 - yes
- d. First name - No
- e. Full_name - yes

3. Create a variable that holds the string "hello there!"

```
string = "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

```
first_name = "david"  
last_name = "warner"  
email = "@qc.cuny.edu"  
print( first_name +last_name +email)
```

```
davidwarner@qc.cuny.edu
```

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

```
▶ first_name = "david"  
last_name = "warner"  
print(first_name.upper() + " " + last_name.upper())  
print(first_name.lower() + " " + last_name.lower())
```

```
↳ DAVID WARNER  
david warner
```

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.

```
▶ x= input( "When do you wanna hang out? ")  
message= "Sure! I'll see you on the " + str(x) +"th"  
print(message)
```

```
When do you wanna hang out? 15  
Sure! I'll see you on the 15th
```