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Python for Data Analytics

1. What is Python and why is it useful? **Python is a general purpose, interactive, object-oriented, and high-level programming language. It is useful because it is easy to read,understand, open sourced, and has libraries to facilitate data analytics and visual.**

code should be

1. Are the following variable names allowed in python?
   1. 1\_message - NO
   2. Greeting\_message - YES
   3. Message\_1 - YES
   4. First name - NO
   5. Full\_name - YES
2. Create a variable that holds the string “hello there!”

**message = "Hello there!"**

**A= message**

**print(message)**

1. Create a variable for first name, last name and an email extension. Concatenating all three together to form an email address. For example: [firstnamelastname@gmail.com](mailto:firstnamelastname@gmail.com)

**first\_name = "Jackie"**

**last\_name = "Figueroa"**

**email = "@gmail.com"**

**email\_address = first\_name + last\_name + email**

**email\_address**

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

**name = 'Jackie Figueroa'**

**print(name.upper())**

**print(name.lower())**

1. 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'**

**message = "Do you want to hang out on the " + date + "th of this month?"**

**B = "Hang out"**

**print(message)**