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Python for Data Analytics

1. What is Python and why is it useful?

Python is a programming language that is used for developing tools and for analyzing data and making prediction models. It is very user-friendly and easier in terms of syntax.

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!”

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 = “john”

last\_name = “doe”

extension = “gmail.com”

email = first\_name + last\_name + “@” + extension

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

name = “Jane Doe”

print(name.lower())

print(name.upper())

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.

msg = input(“Do you want to hang out on the 15th of this month?”)