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Python for Data Analytics

1. What is Python and why is it useful?

Python is an open-source programing language developed by Guido van Rossum. It is useful because of its simple syntax and versatile nature. The various libraries of Python makes it possible to be used in different fields from ML, Data Science to App development.

1. Are the following variable names allowed in python?
   1. 1\_message
   2. Greeting\_message
   3. Message\_1
   4. First name (Not Allowed)
   5. Full\_name
2. Create a variable that holds the string “hello there!”

greetings = “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”

email = first\_name + last\_name + “@gmail.com”

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

name = “Micheal”

print (name.upper(), 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

month = 15

print(“Do you want to hang out on the”, str(month) + ”th”, “of this month?”)