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Python for Data Analytics

1. What is Python and why is it useful?

Python is a computer programming language often used to build websites and software and for data analysis. This coding system is very useful because it can be adapted to different programs, it is a versatile language.

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 = “firstname”

last\_name = “lastname”

email\_extension = “@gmail.com”

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

print(email\_address)

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

name = “Samantha”

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.

a = “Marysol”

date = 15

print (“Hello” + “ “ + a + “ , ” + “ “ + “ do” + “ “ + “you” + “ “ + “want” + “ “ + “to” + “ “ + “hang” + “ “ + “out” + “ “ + “on” + “ “ + “the” + “ “ + str(date) +” th ” + “ “ + “of” + “ “ + “the” + “ “ + “month” + “ “ + “?”)