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Python for Data Analytics

1. **What is Python and why is it useful?**

Python is a programming language that can be used in many scenarios, such as for Web development, machine learning, and analyze data, etc… It’s easy to learn and code is quick to read and understand.

1. **Are the following variable names allowed in python?**
   1. **1\_message**

No, because variable names cannot begin with a digit.

* 1. **Greeting\_message**

Yes

* 1. **Message\_1**

Yes

* 1. **First name**

No, because invalid syntax

* 1. **Full\_name**

Yes

1. **Create a variable that holds the string “hello there!”**

a = "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)

f\_n = "amy"

l\_n ="huang"

e\_e= "@gmail.com"

email\_address = f\_n + l\_n + e\_e

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 = "Yelena Huang"

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.**

date = str(15)

print("Do you want to hang out on the " + date + "th of this month?")