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## Python for Data Analytics

1. What is Python and why is it useful?

Python is an object oriented high level programming language. It is interactive and focuses on reliability and productivity.

2. Are the following variable names allowed in python?

- a. 1\_message **NO**
- b. Greeting\_message **YES**
- c. Message\_1 **YES**
- d. First name **NO**
- e. Full\_name **YES**

3. Create a variable that holds the string "hello there!"

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

```
▶ firstname = "Fahema"
lastname = "Nabi"
email = "@gmail.com"
print(firstname + lastname + email)
```

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[FahemaNabi@gmail.com](mailto:FahemaNabi@gmail.com)

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

```
▶ name = "Sarafina"
print(name.upper())
print(name.lower())
```

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SARAFINA  
sarafina

6. Using a variable, ask your friend if they want to hang out on the 15<sup>th</sup> of the month. For example, “Do you want to hang out on the 15<sup>th</sup> of this month?” You should have to convert the number to a string.



```
day = 15
print("Do you want to hang out on the" + " " + str(day) + "th of the month?")
```

Do you want to hang out on the 15th of the month?

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