

Name: Adnaan Syed

## Python for Data Analytics

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

Python is an interactive, object-oriented, high level programming language. It is useful in regards to data analytics because it can easily handle voluminous data sets, perform complex operations, and its code can be save and re-run.

### 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!"

```
message = "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)

```
first = "Adnaan"
last = "Syed"
emailExt = "@aol.com"
emailAddress = first + last + emailExt
print(emailAddress)
```

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

```
name = "Tony Stark"

print(name.lower())

print(name.upper())
```

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.

```
date = 17

message = 'Do you want to hang out on the ' +str(date)+'th of this month?'

print(message)
```