

Name: Shoonlae Aung

Python for Data Analytics

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

Python is a programming language and it is useful because the code is easy to read and understand. Moreover, Python can also be used to perform data analytics.

general-purpose, interpreted, interactive, object-oriented, and high-level programming language. Python is useful because it is easy to use and

### 2. Are the following variable names allowed in python?

- a. 1\_message
- b. Greeting\_message
- c. Message\_1
- d. First name
- e. Full\_name

B, c, and e are allowed in Python.

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

```
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)

```
first_name = "shoonlae"  
last_name = "aung"  
email = "@gmail.com"  
print(first_name+last_name+email)
```

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

```
name="shoonlae"  
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=str(15)  
name="Emily"
```

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