**Filename:** day-3-variables.py

**#Comments**

```
01  name = input("What is your name?")
02  print(name)
03
04  name = "Khairi"
05  print(name)
06
07  name = "Iman"
08  print(name)
09
10  name = input("What is your name?")
11  length = len(name)
12  print(length)
13
14  user_name = "ahmad"
15
16  1user = "ahmad"
17
18
```

| Line | Comment |
|---|---|
| 01–02 | when this line is executed, the user is prompted or asked to type a response. Whatever that the user has typed in, it will be assigned to the variable called "name". print function can display the value saved to the variable |
| 04–05 | when this line is executed, the string "Khairi" is saved to the variable "name" and then Khairi is printed out to the console |
| 07–08 | when this line is executed, the string "Iman" is saved to the variable "name" and printed out to the console. In line 07 the value inside the variable name is replaced from Khairi to Iman and this is shown when the value is printed to the console |
| 10–12 | when this line is executed, the user is prompted to type a response and whatever that the user has typed in, it will be saved to the variable called "name". Next, the len() function now calculates the number of characters saved to the "name" variable and now saves that value in the variable called "length". The print function now displays the value that is saved in the variable called "length" in the console. |
| 14 | In python, it is good practice to use a variable name that is easy to understand and use an underscore "_" to separate two or more words |
| 16 | In python, it is not acceptable/ bad practice to start a variable name with a number because it will generate a syntax error. |

**Summary:**

**Lecture:**

**Concept:**

**Day:**

**Filename:**

**#Comments**

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**Summary:**

**Lecture:**