

AL NAFI, A company with a focus on education, wellbeing and renewable energy.

# Python Alpha 800

Importing code Python

# Forty Hadith on the importance of Knowledge, learning and Teaching.

#### Hadith #3

Hudhaifah Ibn al-Yaman (May Allah be pleased with him) narrated, the Messenger of Allah (Peace be upon him) said:

"The excess of ilm is better than the excess of Ibadah, and the best of your religion is the wara."

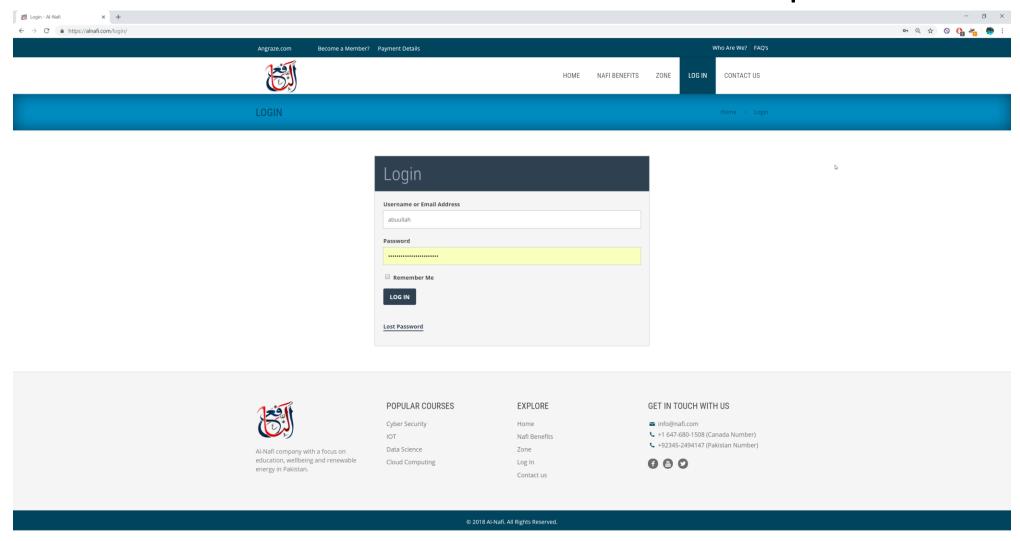
(at-Tabarani, Al-Aswar; Al-Bazzar)

Wara = means piety, self restrain.

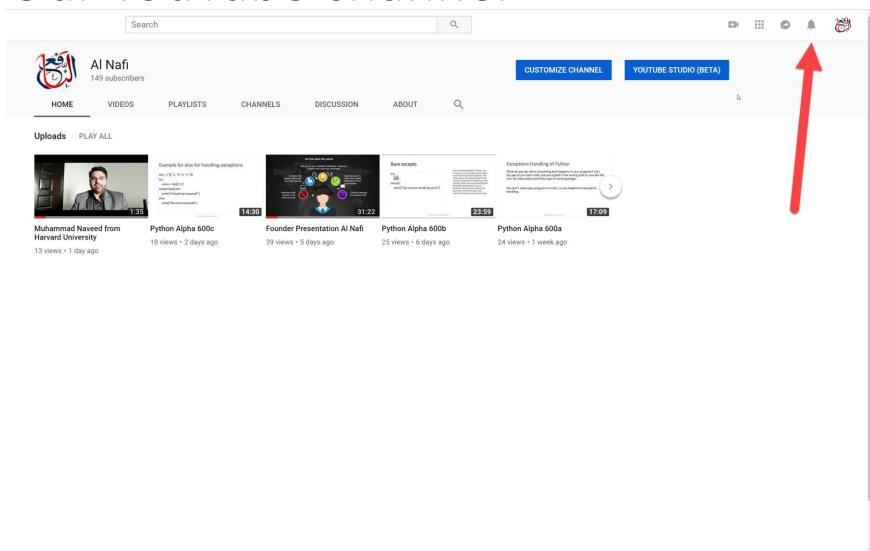
#### Study, Rinse and Repeat

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## Using from to import

Another way to import a function is to use from

from math import sqrt sqrt(16)

This works pretty much the same as the previous command we discussed.

#### Using import vs. from import

module\_name.method\_name(argument)

VS

from the math module, import the sqrt function

Lets discuss this shall we

#### Comparing two import functions

module\_name.method\_name(argument)

math.sqrt(4)

VS

from the math module import the sqrt function

from math import sqrt

#### Importing multiple functions

from math import pi, sqrt

In the above example we are importing both pi and sqrt. If we tried to access pi it will only give us a value and not a function.

Point to note is that when we use an import, we may also end up importing a value a function or even another module.

## Import everything!

There is another way in python to import all the functions and values from a module as well.

This is a not recommended as it can contaminate our namespace.

A **namespace** is where of our variables live during the life of the program.

#### Examples

from math import sqrt sqrt = 5

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from math import\*

sqrt = 5

sqrt(16)

\* mean wild card which means everything ©



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