



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
```

\* mean wild card  
which means  
everything 😊

---

```
from math import*  
sqrt = 5  
sqrt(16)
```

# جزاك الله

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