

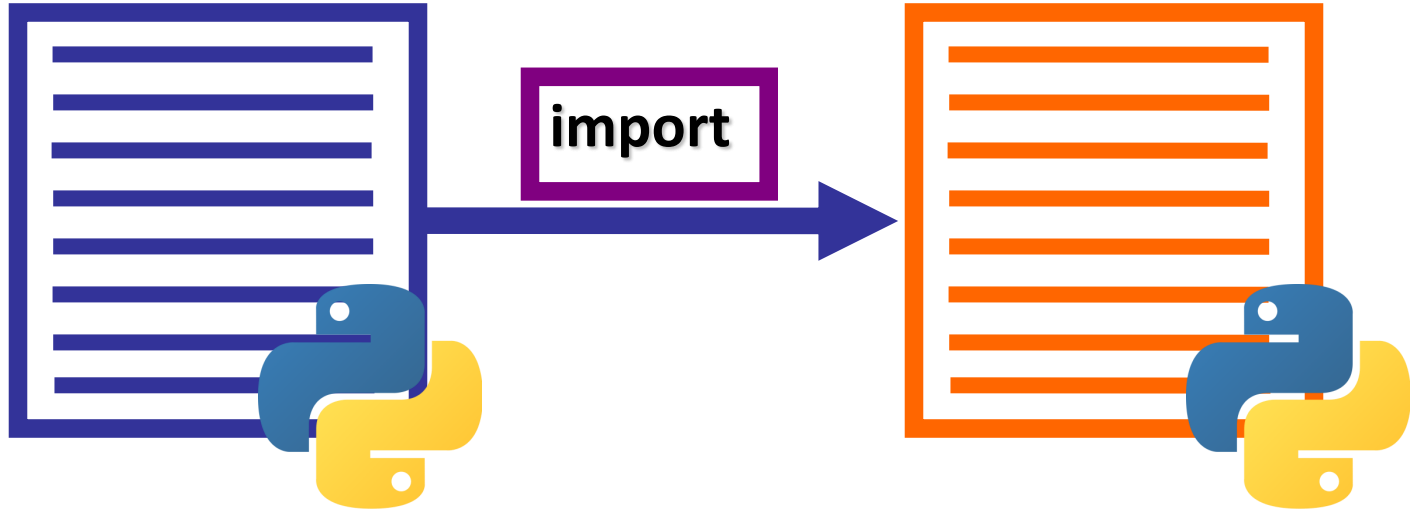
Lecture

Import Statements



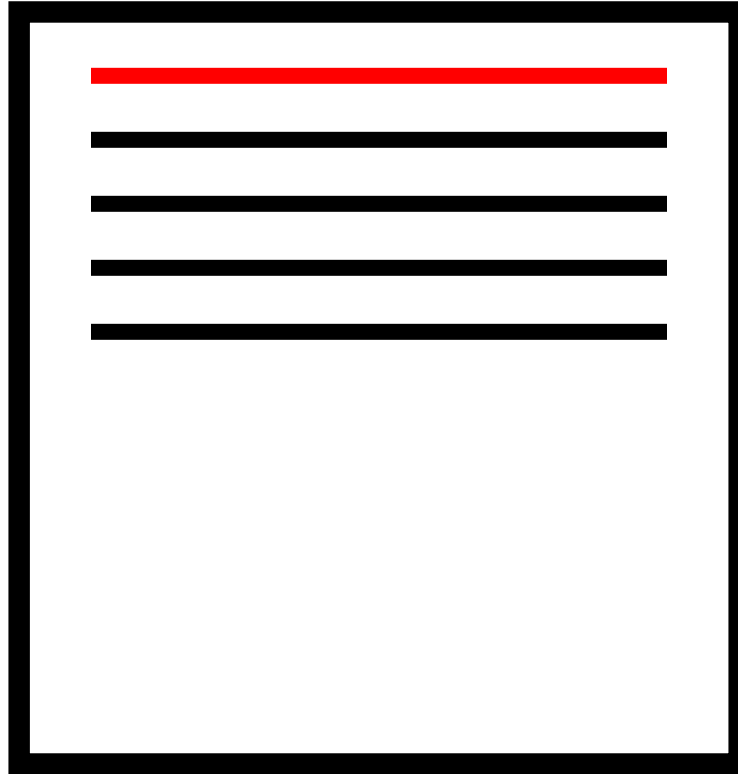


Import Statements





Import Statements





Import Statements

```
import <module>
```

Import the entire module



Import Statements

```
import <module>
```



```
<module>.<element>
```



Import Statements

```
import math  
  
math.sqrt(num)
```



Import Statements

```
from <module> import <element>
```

Import only that specific element



Import Statements

```
from <module> import <element>
```



```
<element>
```




Import Statements

```
from math import sqrt  
  
sqrt(num)
```



Import Statements

```
from <module> import *
```

Import everything from the module

```
<element1>
```

```
<element2>
```

```
...
```



Import Statements

```
from <module> import *
```

Import everything from the module

```
<element1>
```

```
<element2>
```

```
...
```





Import Statements

```
import <module> as <name>
```

Import the module with a new name



Import Statements

```
import <module> as <name>  
  
<name>.<element>
```



Import Statements

```
import <module> as <name>  
  
<name>.<element>
```



Import Statements

```
import employee_data as data  
  
data.display()
```



Import Statements

- Imports should usually be on separate lines:

```
Yes: import os  
     import sys
```

```
No:  import sys, os
```

It's okay to say this though:

```
from subprocess import Popen, PIPE
```




Import Statements

- Imports are always put at the top of the file, just after any module comments and docstrings, and before module globals and constants.

Imports should be grouped in the following order:

1. Standard library imports.
2. Related third party imports.
3. Local application/library specific imports.

You should put a blank line between each group of imports.



Import Statements

- When importing a class from a class-containing module, it's usually okay to spell this:

```
from myclass import MyClass  
from foo.bar.yourclass import YourClass
```

If this spelling causes local name clashes, then spell them explicitly:

```
import myclass  
import foo.bar.yourclass
```



Types of Imports

