

# CSCI 233: Python Notes 2

## scope

- function
- global
- module
- imports

```
import modulename
from modulename import identifier
from modulename import *
```

## common functions

- `type(x)`
- `len(x)`
- `isinstancetype(x, type)`
- `help(x)`  
`help(string)`

## objects

- type
- class
- instance
- method

## Some str methods

- `isalpha()`, `isdigit()`, `isalnum()`, `isspace()`  
`isupper()`, `islower()`
- `upper()`, `lower()`, `capitalize()`, `swapcase()`
- `split([sep])`
- `splitlines()`
- `strip([s])` `rstrip([s])`
- `find(s [, start [, end]])`  
`rfind(s [, start [, end]])`

## Some list methods

- `append(x)`, `pop(x)`
- `insert(index, x)`, `remove(x)`
- `count(x)`
- `reverse()`

## Iteration

- while  

```
while expression:
    block
```
- for  

```
for variable in sequence:
    block
```
- break
- range()