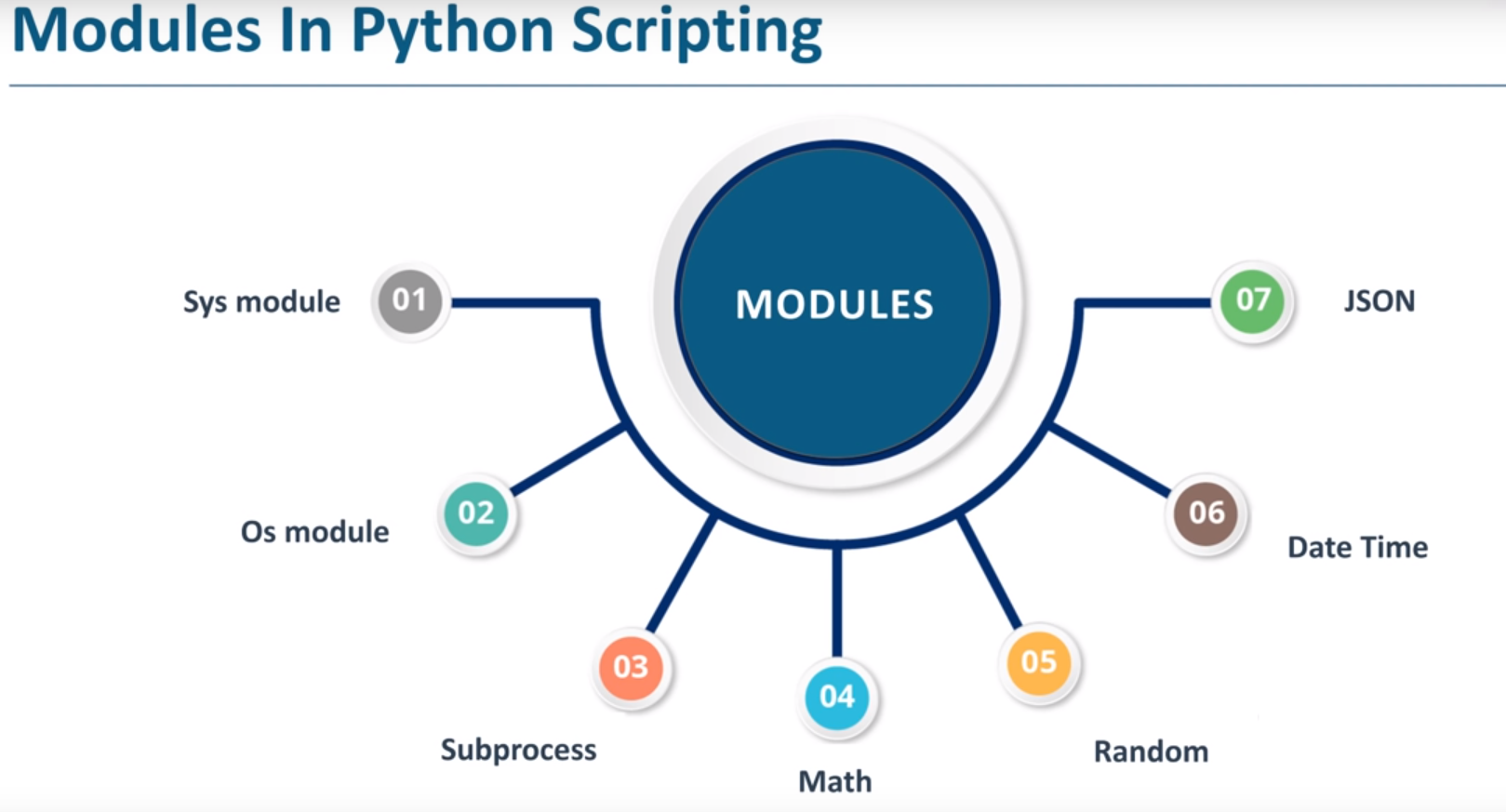
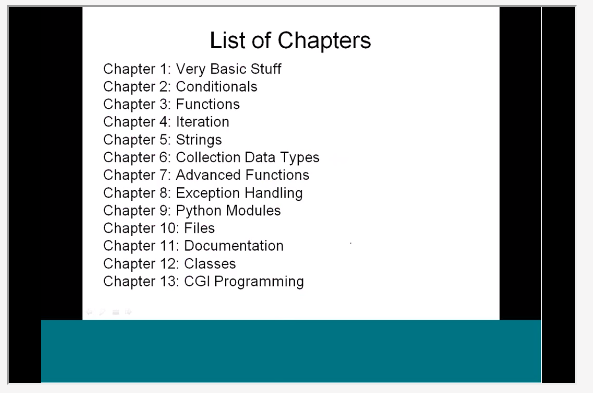
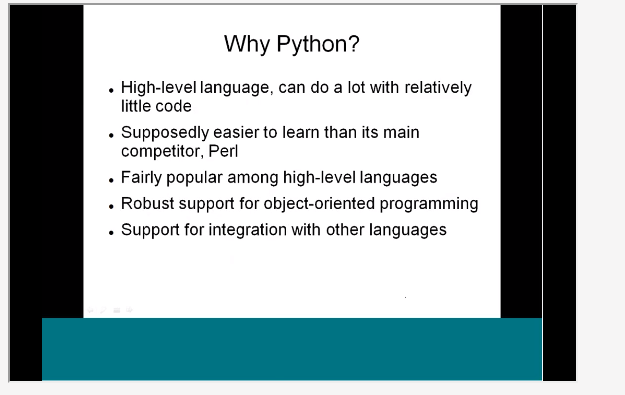
Modules in python

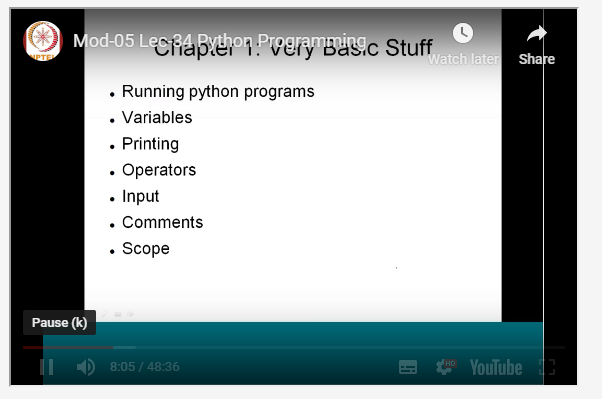


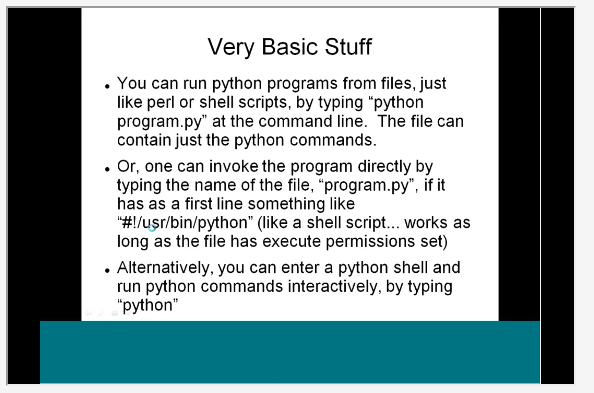
Modules in Python 🡪 A module in python is basically a file which contains various python definitions and statements

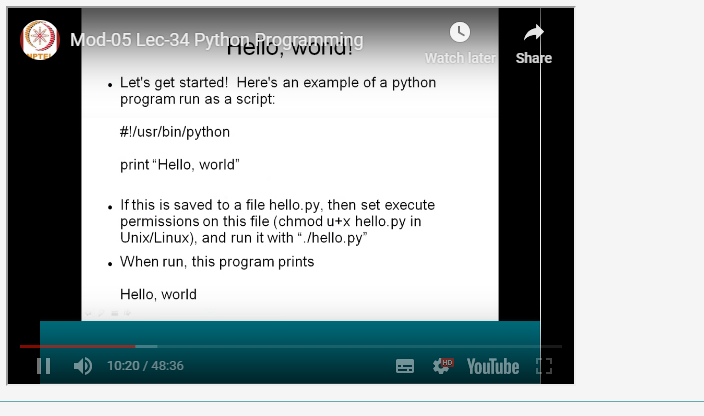
**Sys Module 🡪 Basically sys module provides information about constants, functions and methods of python interpreter, it is basically responsible for controlling and interacting with the interpreter**

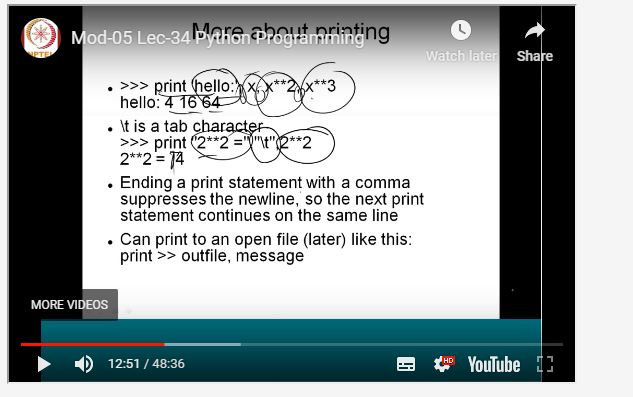


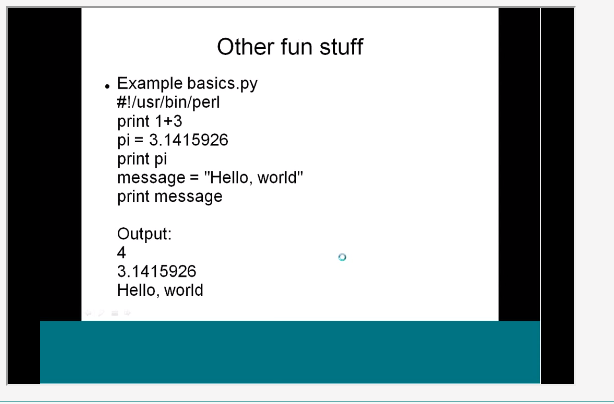


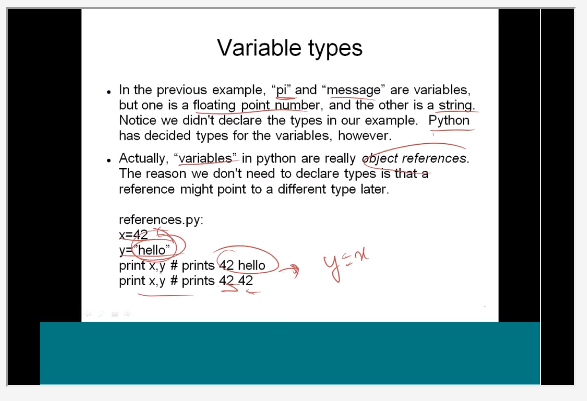


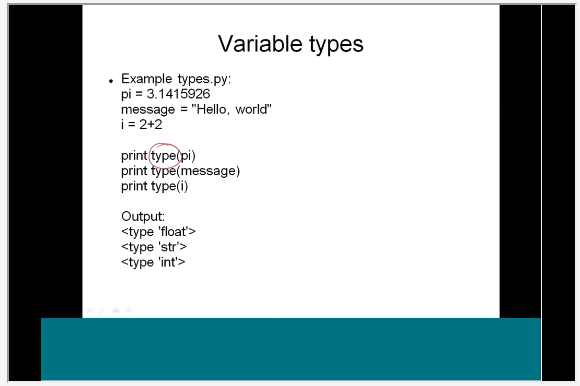


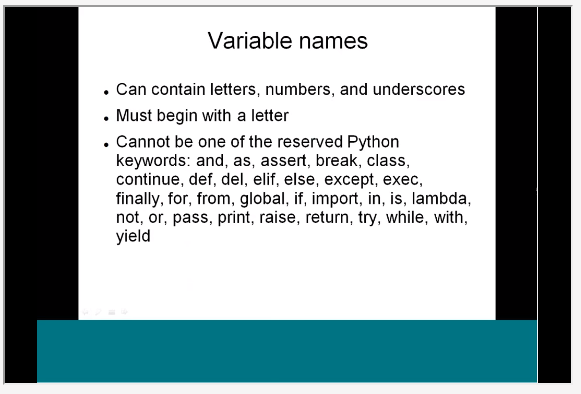


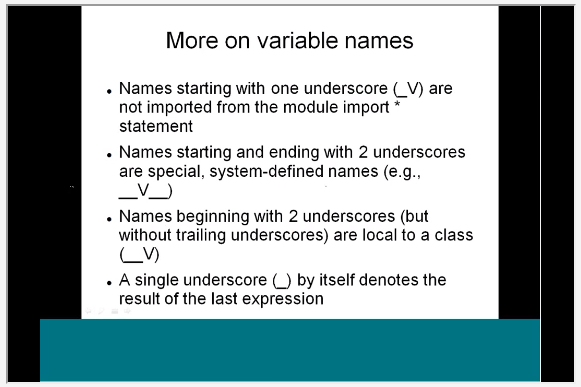


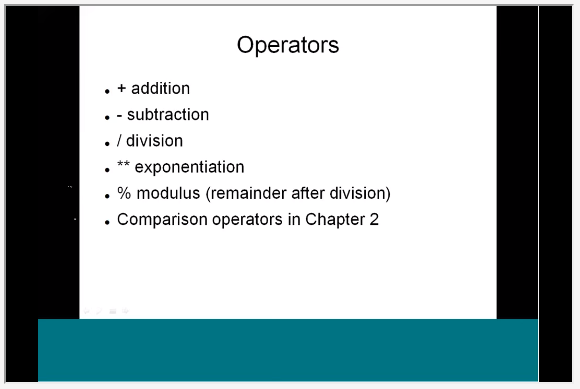


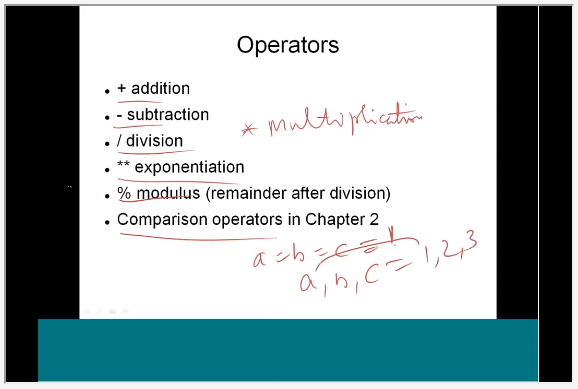




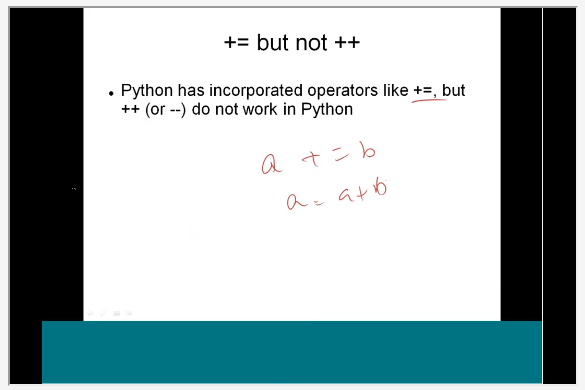


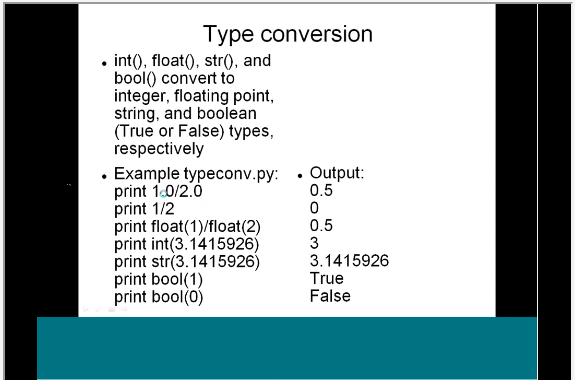


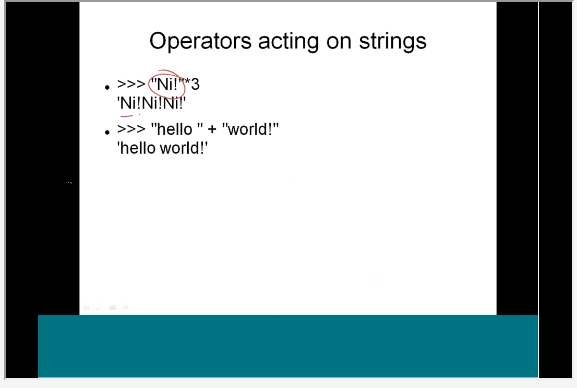








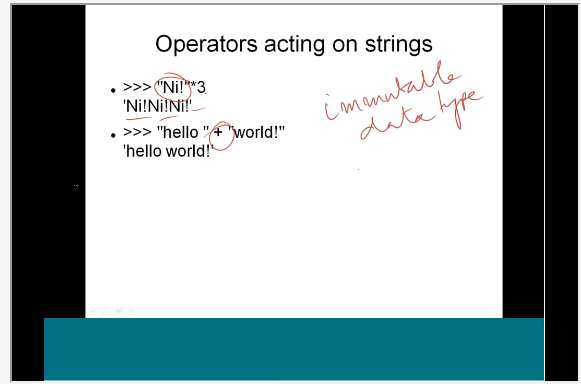


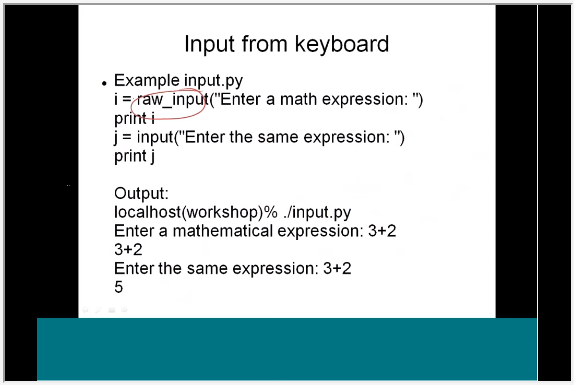


**Immutable data type**

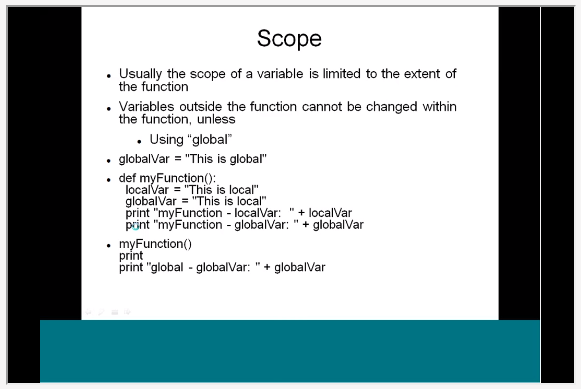
**Changing in number data type selected as new object**

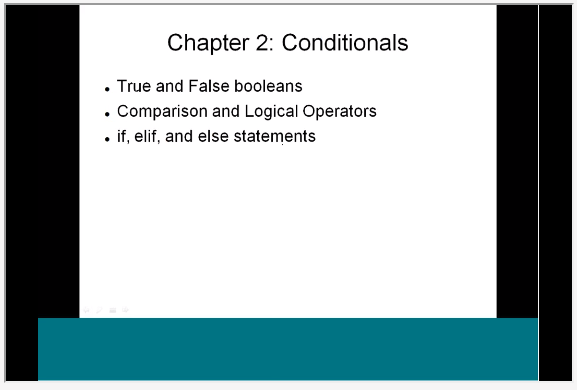
**Python supports 4 different numerical type, long, int ,float ,complex**

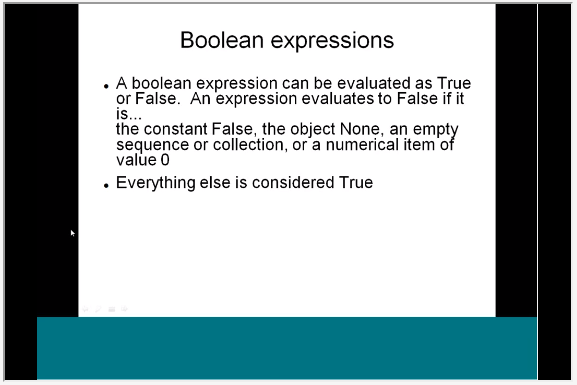


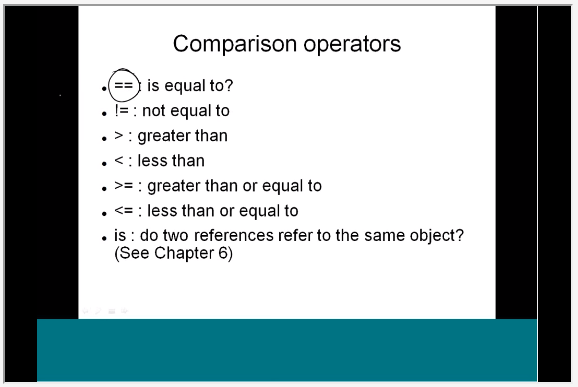


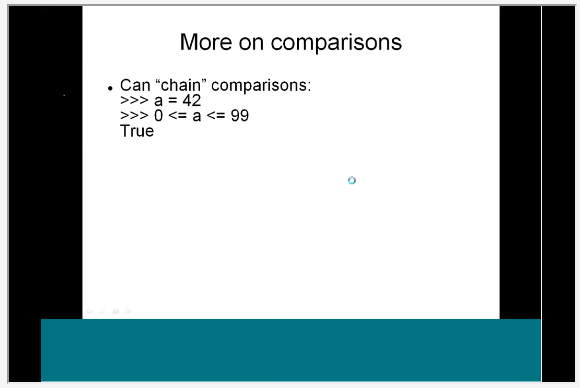


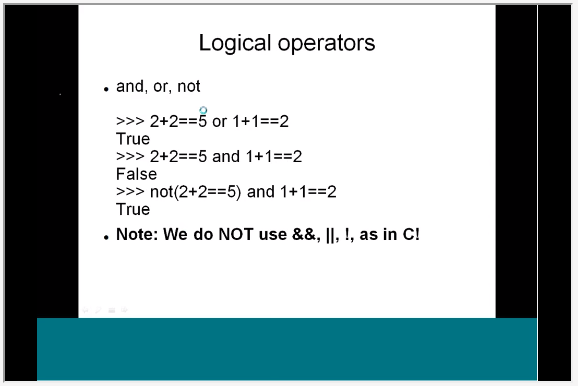
**SCOPE OF VARIABLES**

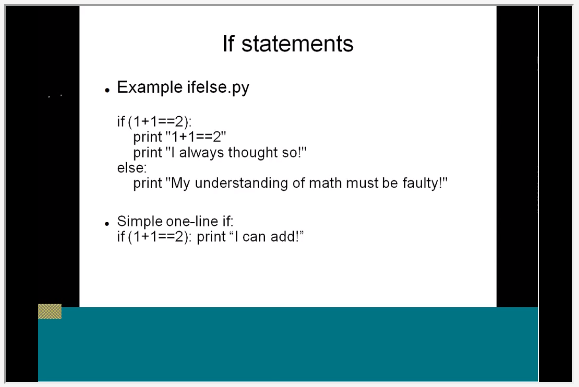


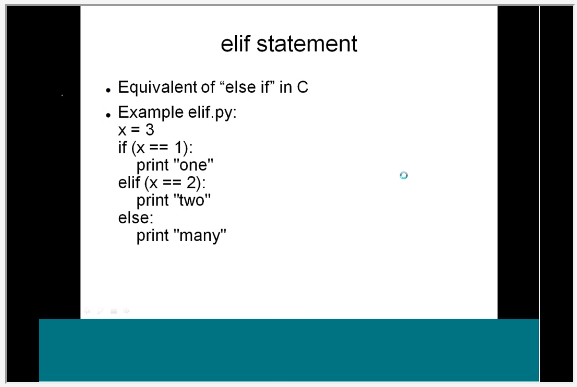


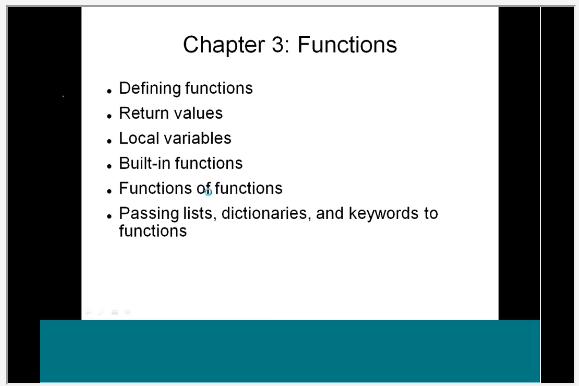


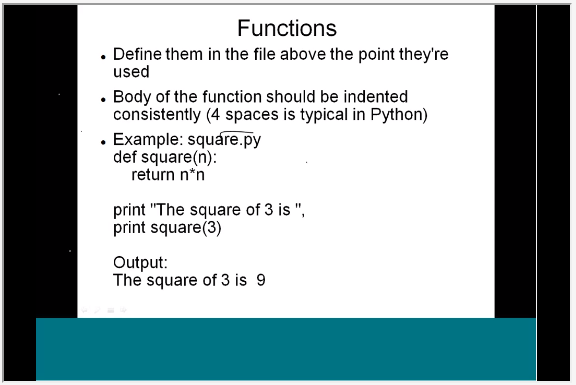


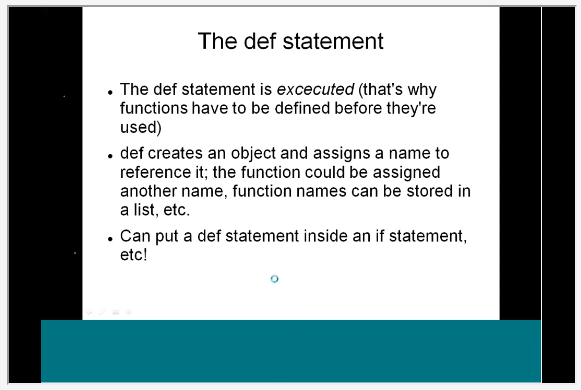


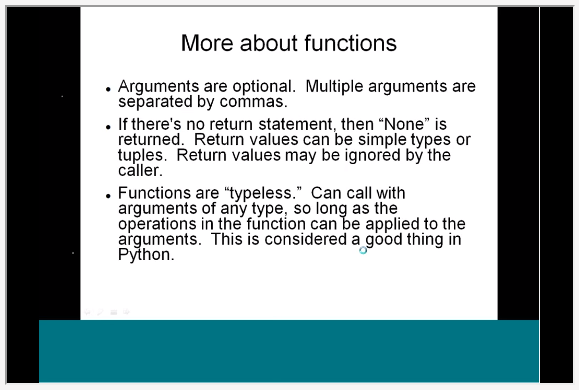


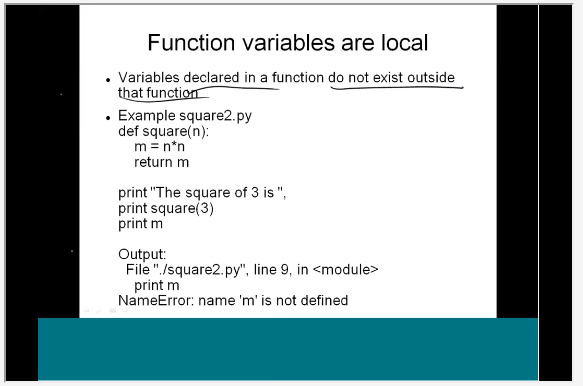


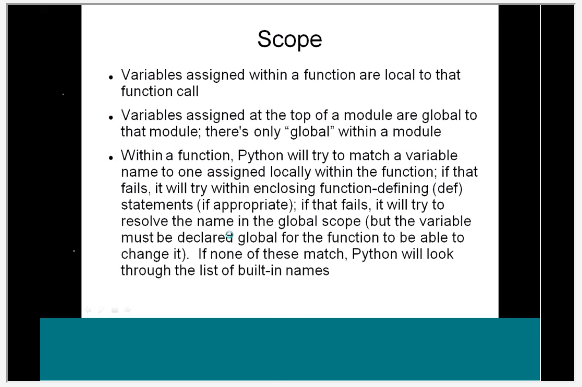


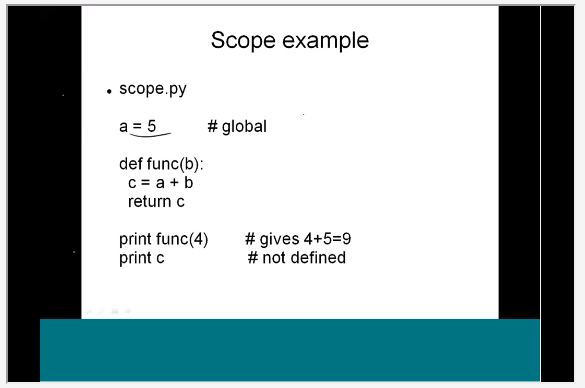


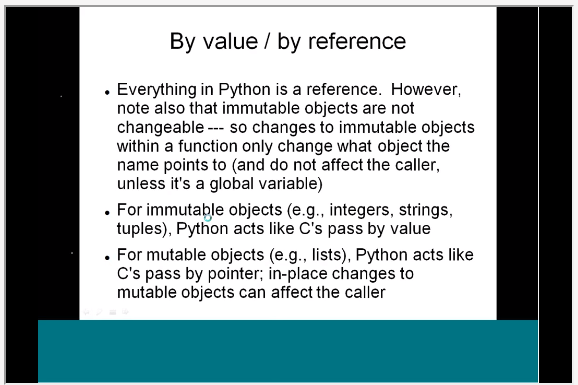


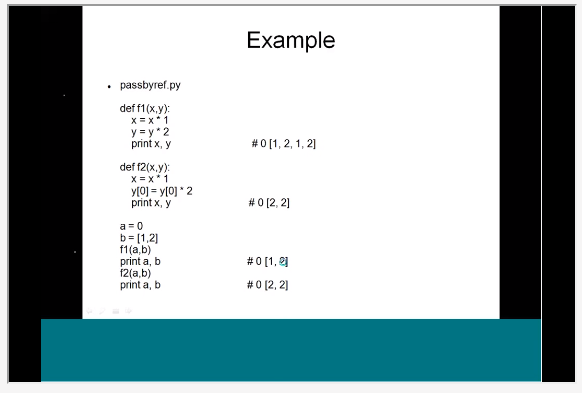


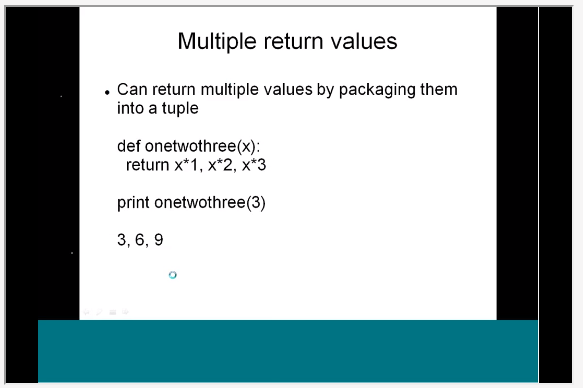


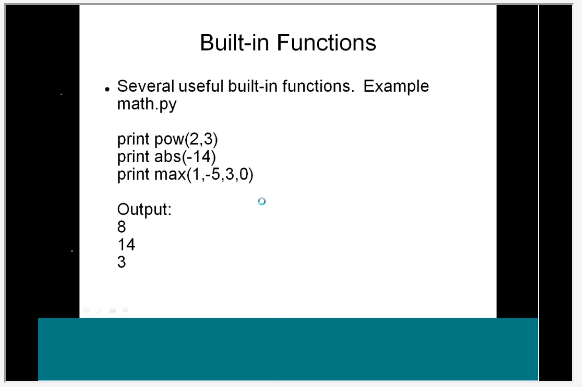


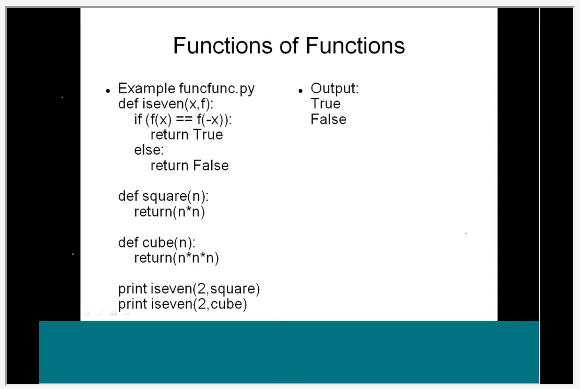


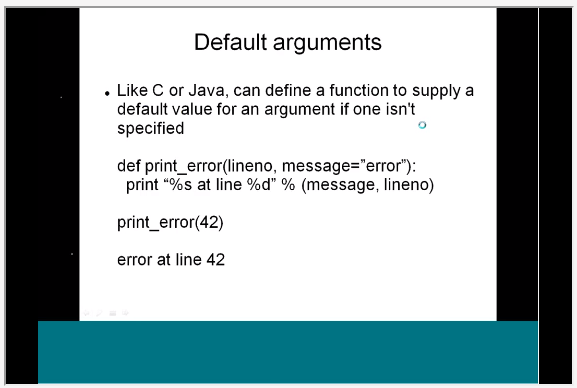


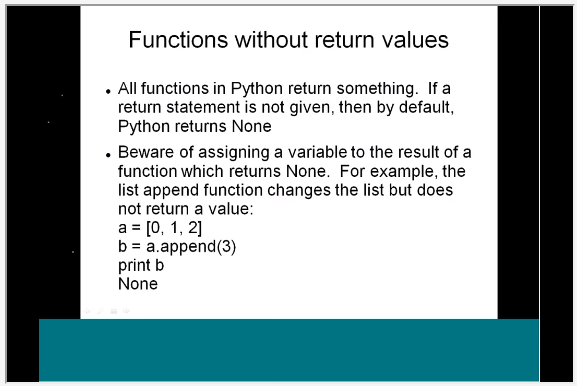




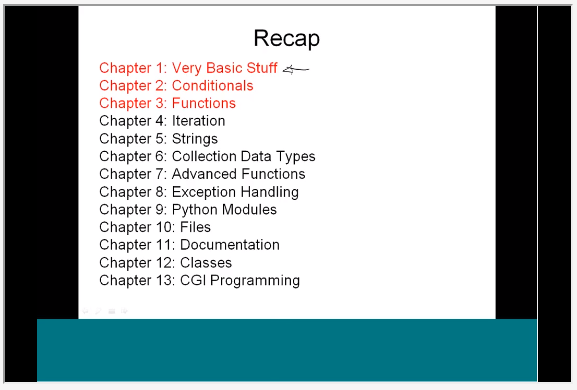


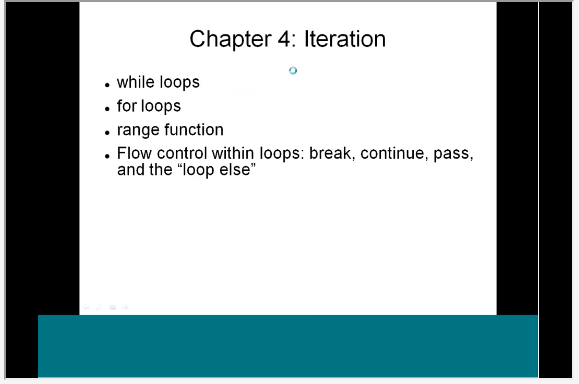


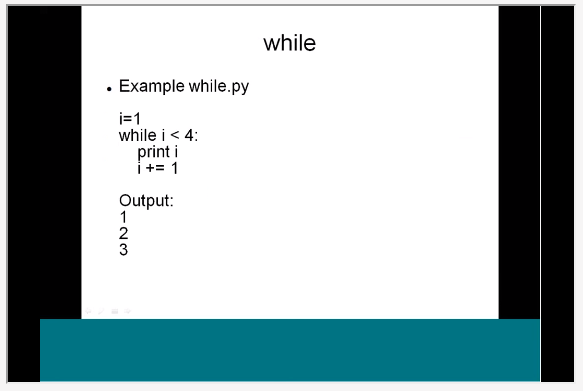


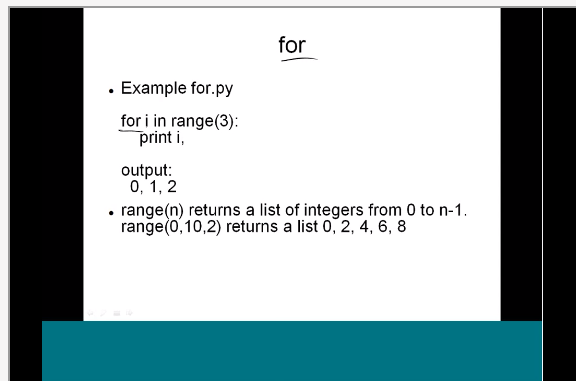


**ITERATION**

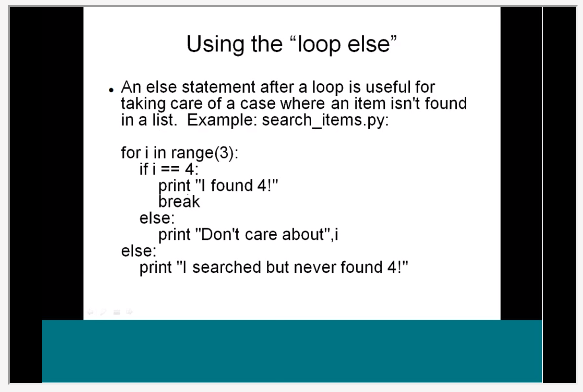


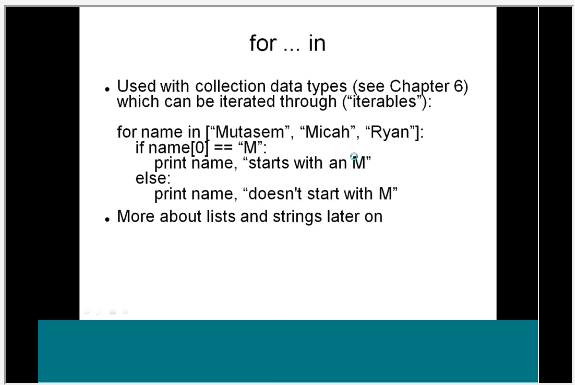


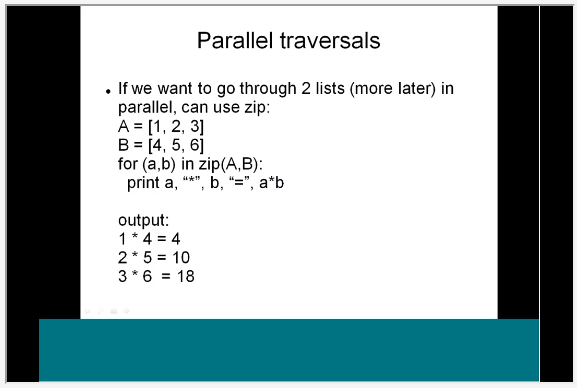


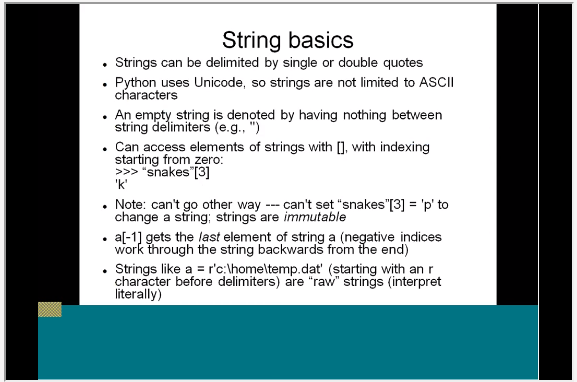


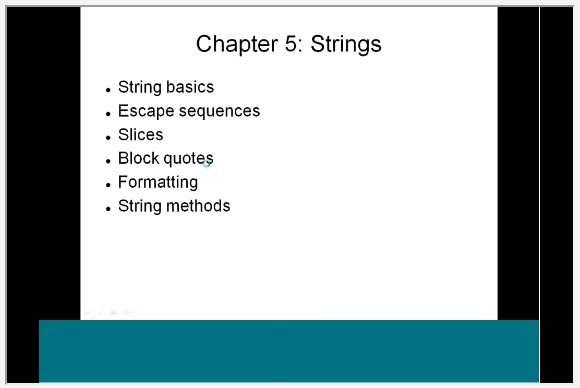


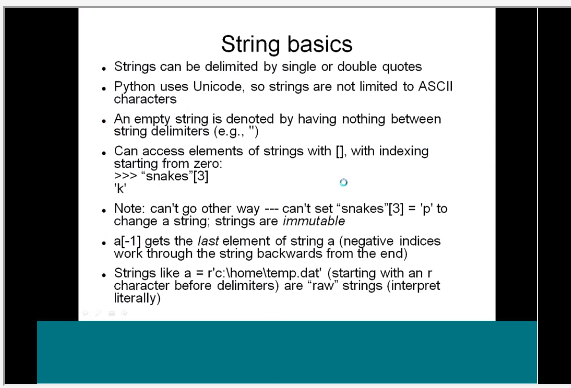


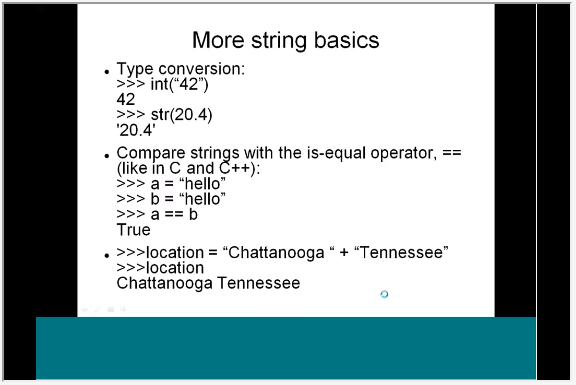




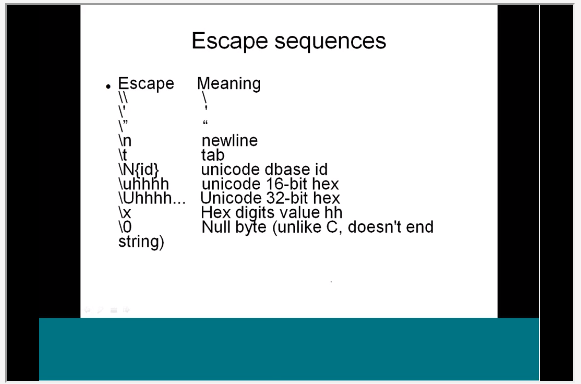


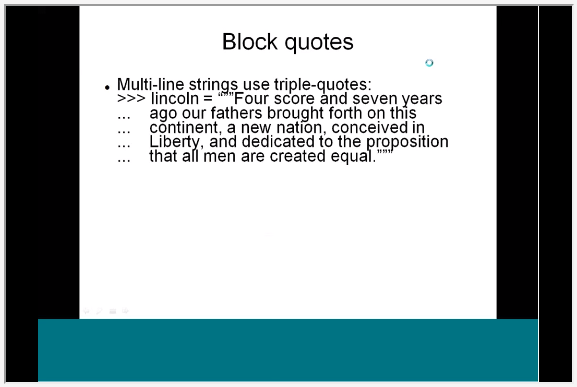


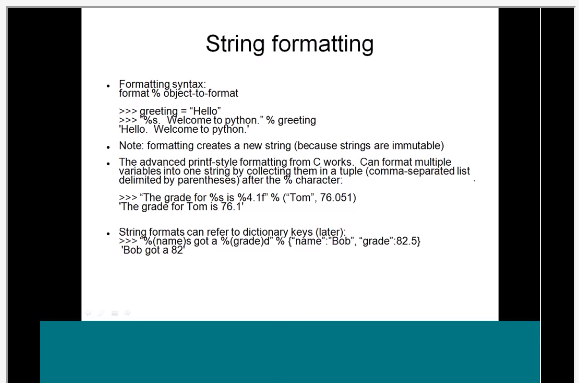




**Is-equal operator(==)**







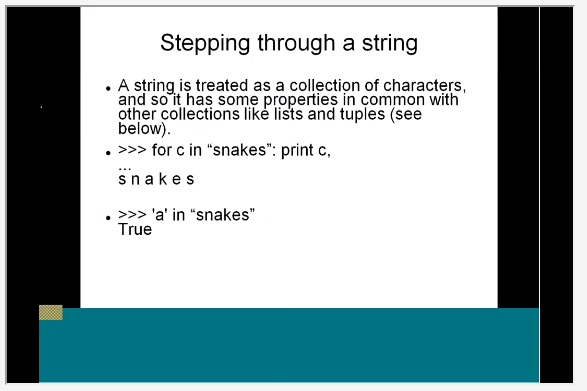
**%c is for character**

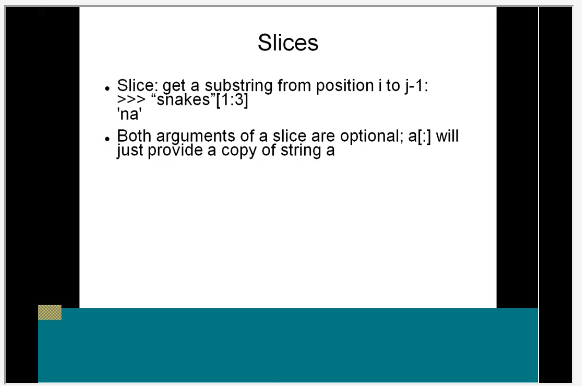
**%s is for string conversion str**

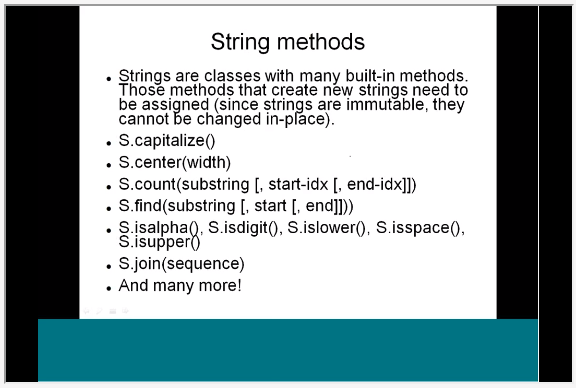
**%i for signed decimal**

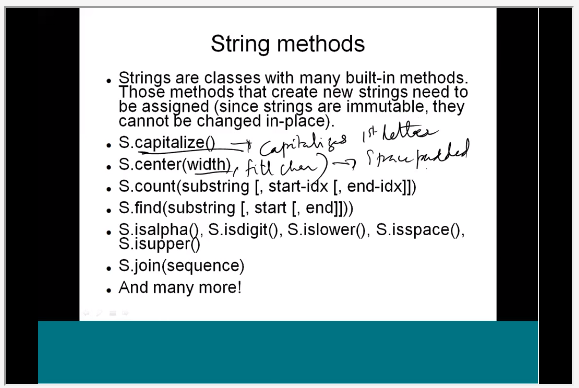
**%X for hex decimal**

**%x lower integer or lower case letters**

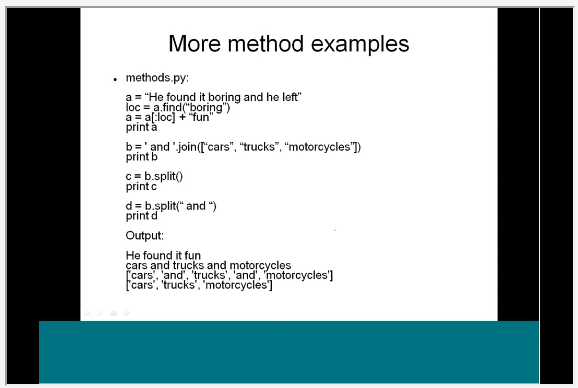


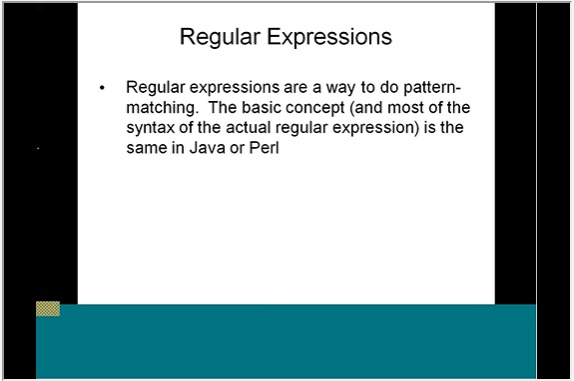


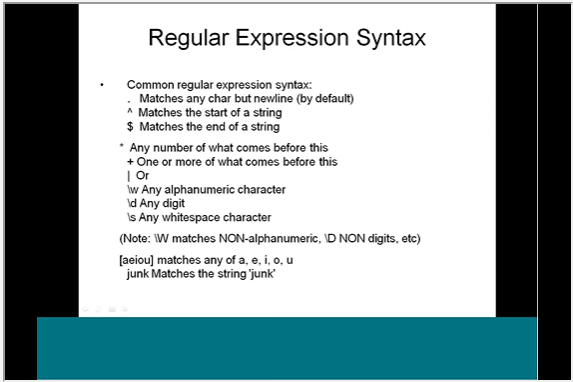


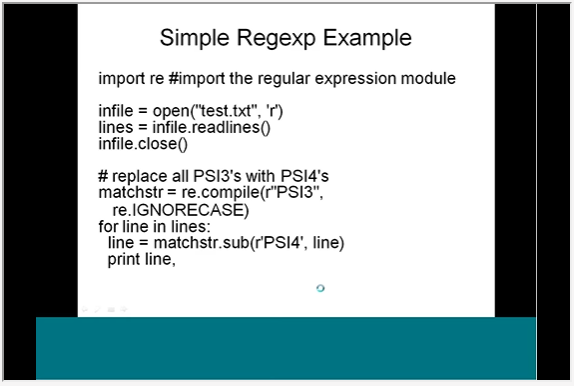


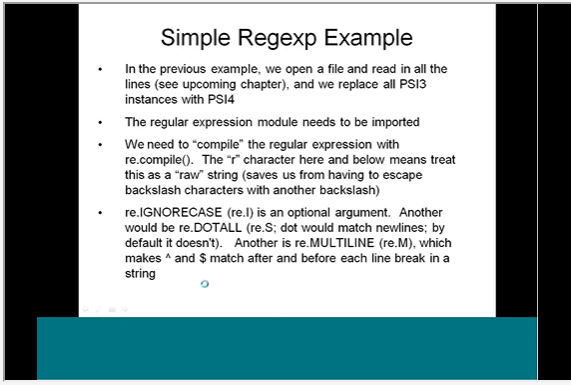


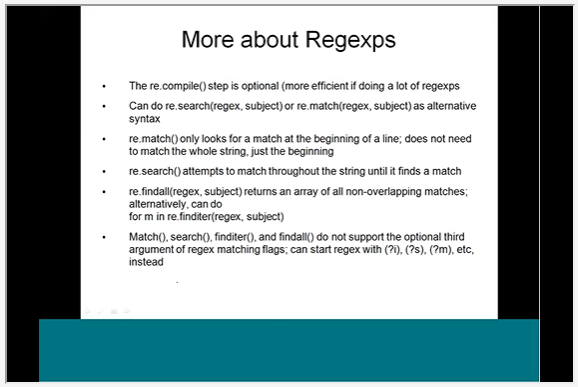


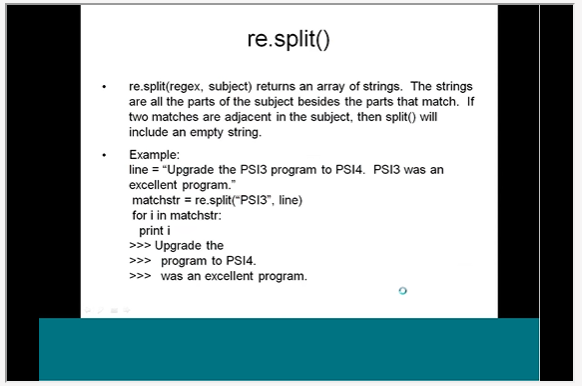




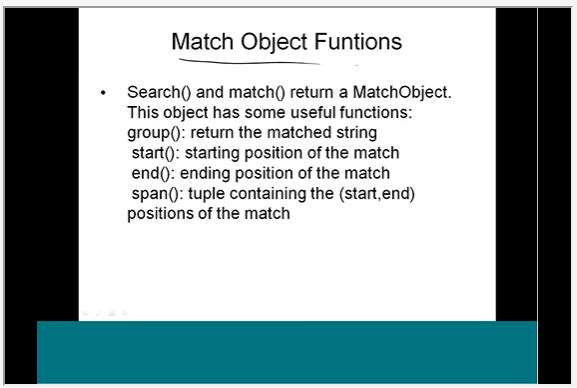


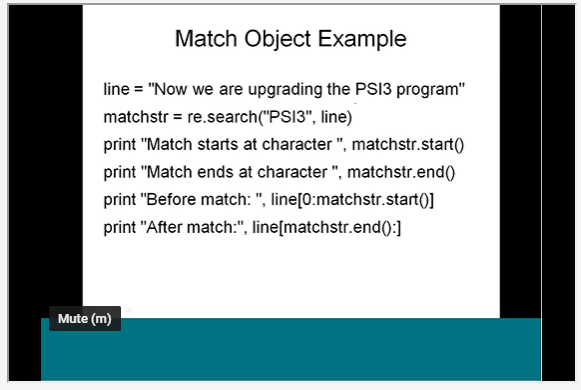


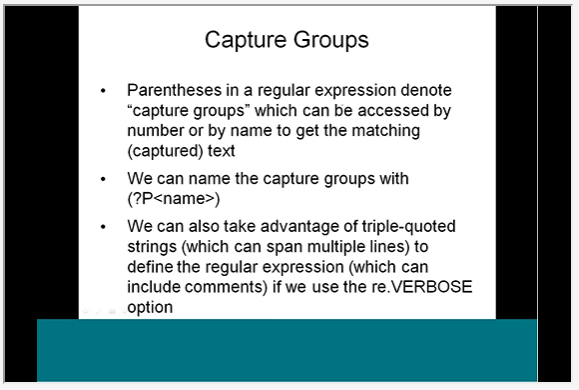


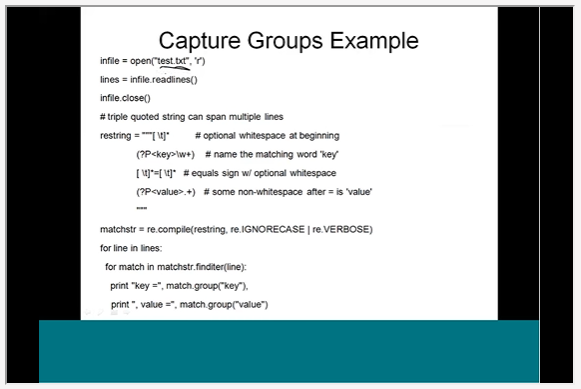


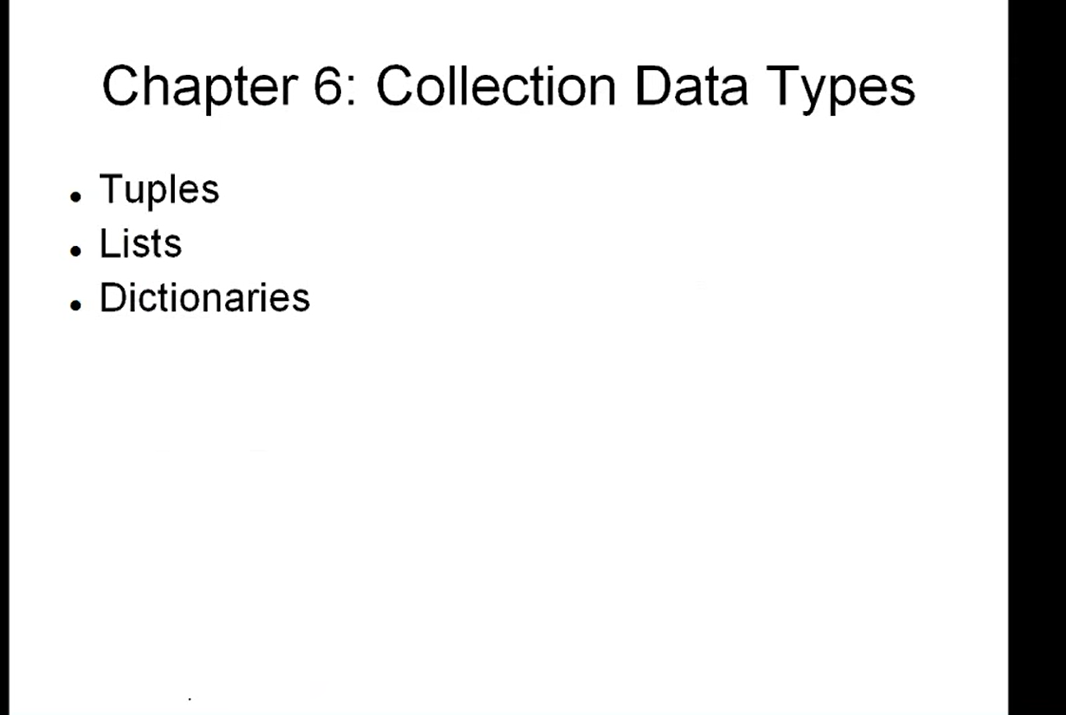
**MORE ABOUT REGEEXPS**







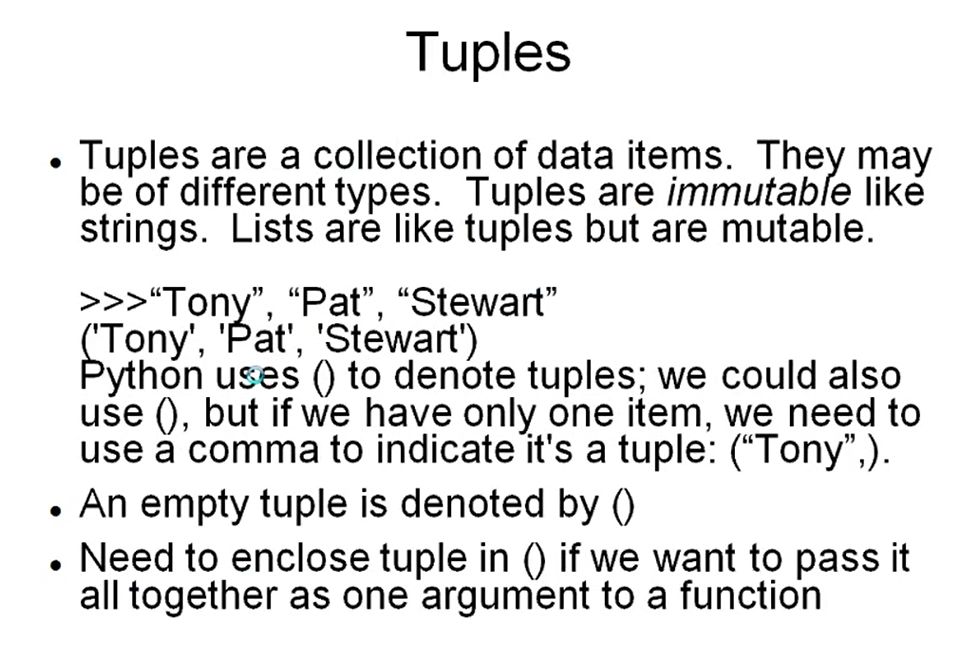


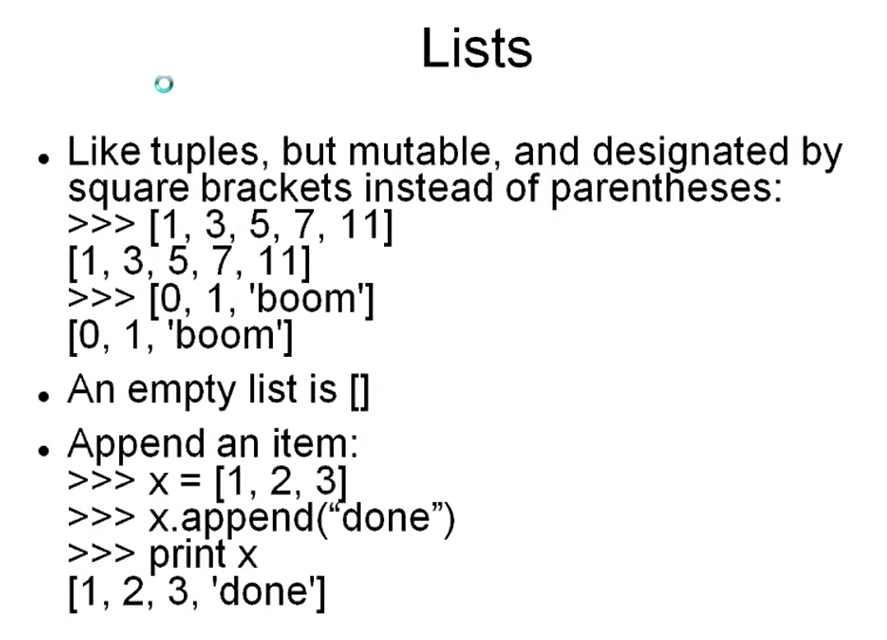


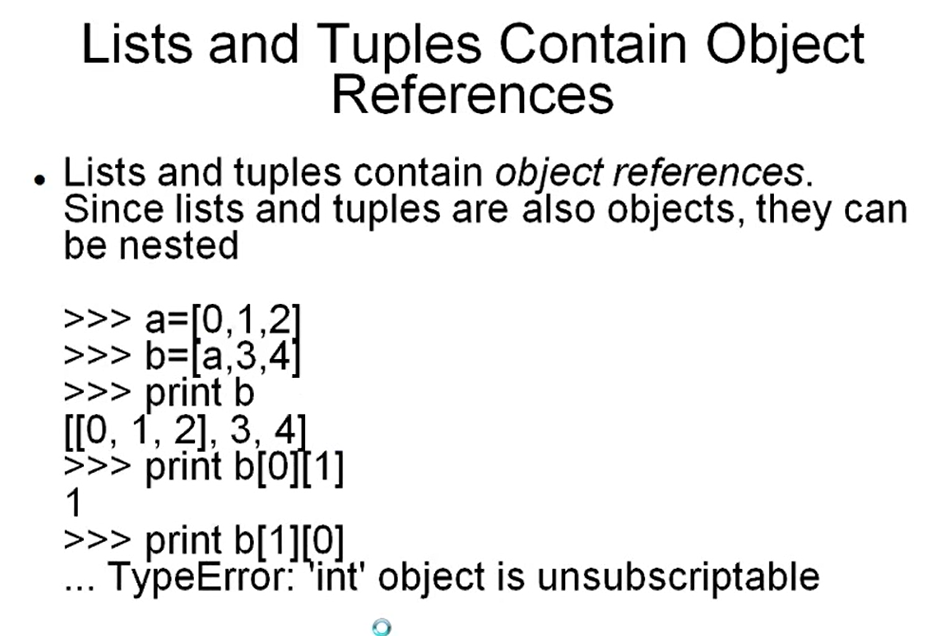
**Tuples 🡪 Immutable**

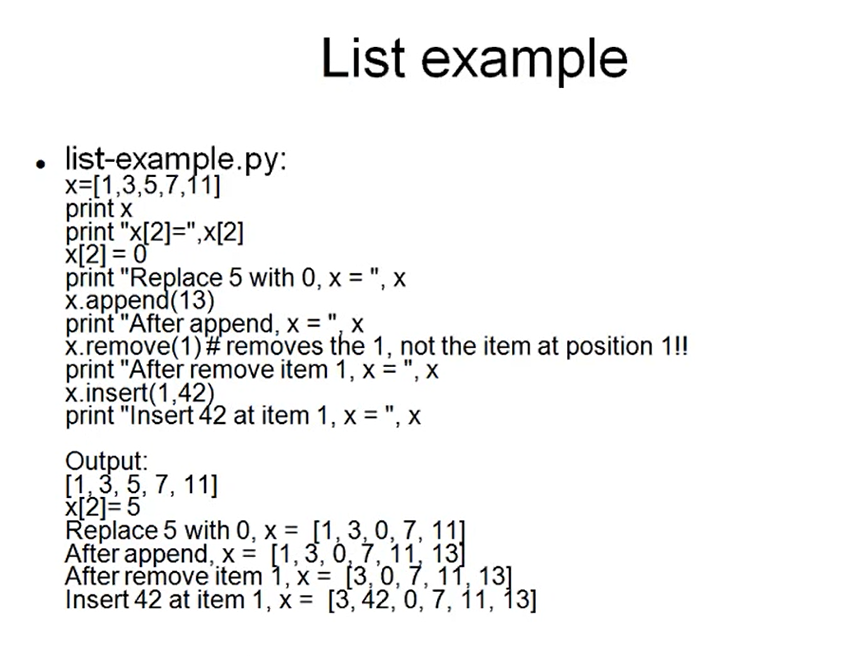
**Lists 🡪 mutable**

**() 🡪 parenthesis to donate tuples**

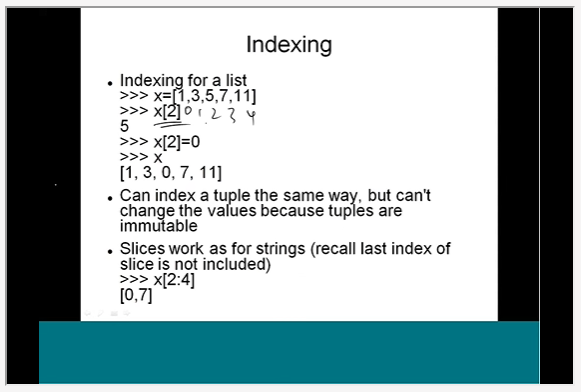




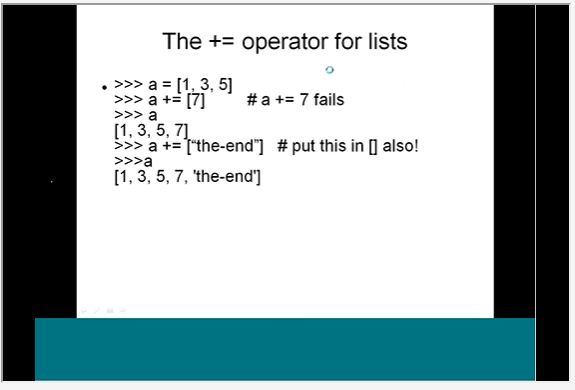


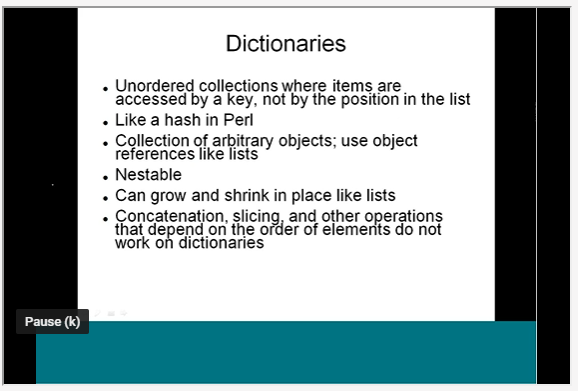


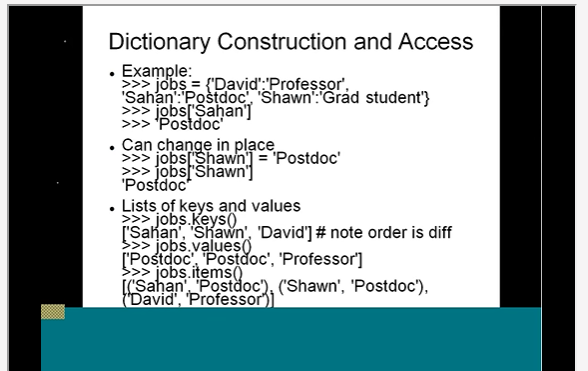
**Here x.append() adds 13 to the list**



**Note Indexing starts with 0,1,2,3,4 etc**



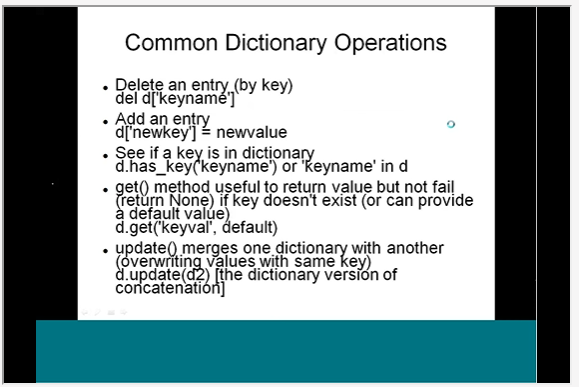


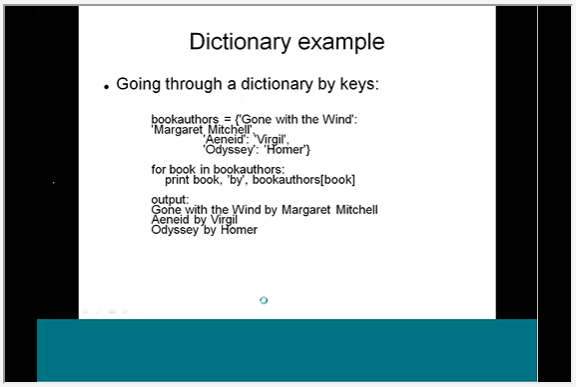


**Anything before colon (:) is a key and after the: Is Key**

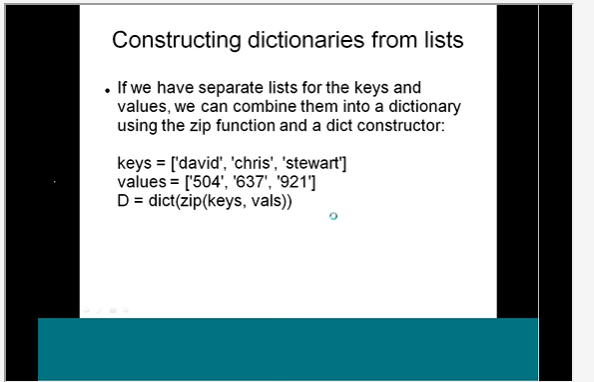
**Example:🡪 David(Tis is Key):Shawn(This is value)**

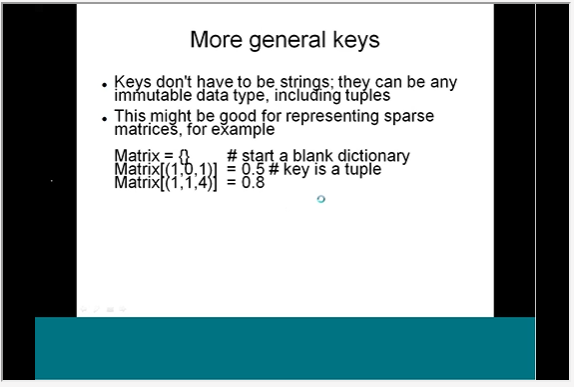
**Keys are immutable only integer, Tuple or strings can be Keys**

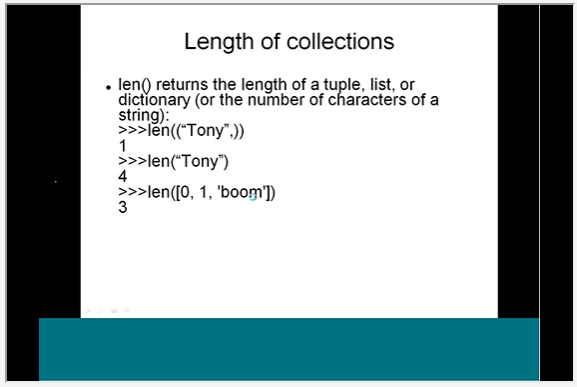




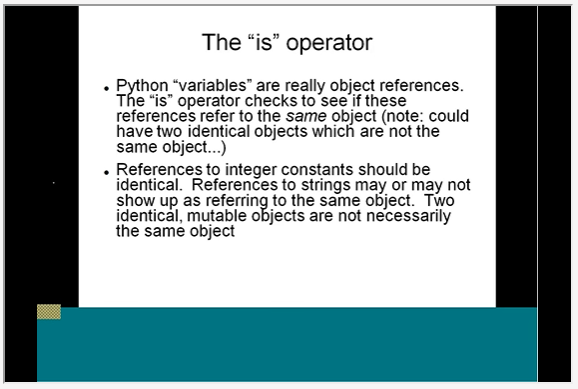
**If the duplicate keys entry are there the last value always wins**

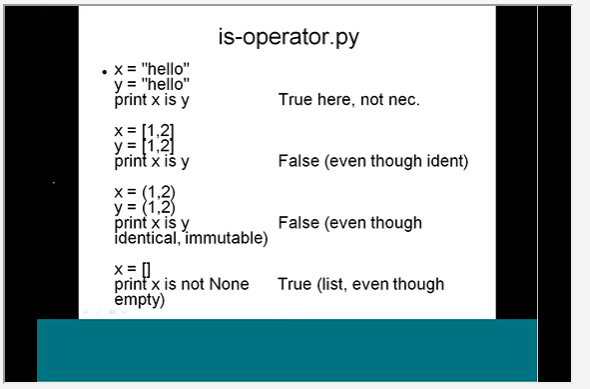


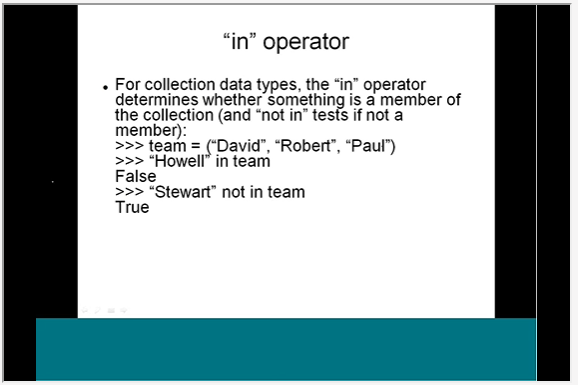


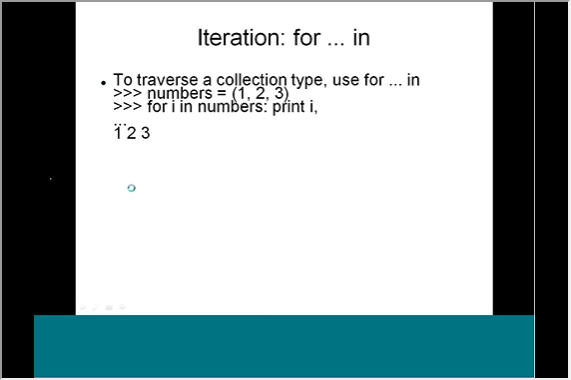


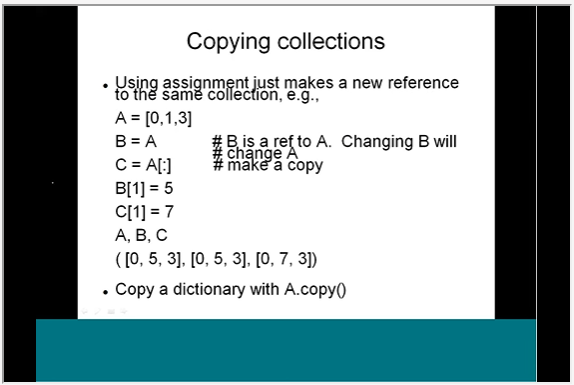
Keys = [**'Brahma'**,**'Vishnu'**,**'Mahesh'**]  
Values= [**'Information'**,**'creater'**,**'Distroyer'**]  
D = dict(zip(Keys,Values))  
print(D)  
print(len((**"Brahma"**,)))











**Advanced Functions Start Here**