## basics

REPL

Read Eval Print Loop

file

execute the file

### comments

# single line comments

""" """ used as multi line comments

## Data Types

* need not be mentioned
* auto evaluated & assigned

int integer

float floating point

str strings

complex

4 + 7i

4 + 7j

## Functions

### general

print

type

### sequence

len

## strings

text

index

negative indexing

IndexError (out of range)

slicing

upper index not included

no range errors

| h | o | c | k | e | y |
| --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 |
| -6 | -5 | -4 | -3 | -2 | -1 |

immutable

functions

lower, upper, capitalize, title

index, count, rindex

replace

### escape sequences:

\n new line

\t tab space

\b back space

\r return

\v vertical tab

\\ \

## list

list of anything (any data type)

index

negative indexing

IndexError (out of range)

slicing

upper index not included

no range errors

mutable

functions: remove, pop, clear

count, index

reverse, sort

append, extend, insert