

SENG 265- Lab 05

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The Python Interpreter

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- Type "help", "copyright", "credits" or "license" for more information
- Try out stuff from class slides:
 - `print "Hello, World!"`
 - `1+1`
 - ...

Running python scripts

- Statement on the first line of a shell script that tells the shell which interpreter to use
- `#!/usr/bin/python`
- `chmod u+x script.py`
- `./script.py`

Tuple: immutable

```
>>> t = (23, 'abc', 4.56, (2,3), 'def')
```

```
>>> t[2] = 3.14
```

Traceback (most recent call last):

File "<pyshell#75>", line 1, in -toplevel-

tu[2] = 3.14

TypeError: object doesn't support item assignment

List

```
>>> li = ['abc', 23, 4.34, 23]
```

```
>>> li[1] = 45
```

```
>>> li
```

```
['abc', 45, 4.34, 23]
```

Exercise

- Given a list of tuples of length n , return a new list with the elements in reverse order, so $[(1,3), (4,2)]$ becomes $[(2,4), (3,1)]$.
- Checkout the class slides for operations on lists and tuples.