Python Notes for H2 Computing

Operators

Operator	Function	Usage
+	addition	`1 + 1 = 2`
-	subtract	`2 - 1 = 1`
/	division	`2 / 2 = 1`
*	multiply	`2 * 2 = 4`
**	exponent	`3 ** 2 = 9`
//	floor-quotient	`5 // 2 = 2`
%	modulo	`5 % 2 = 1`

Data types

1. Text Types
   - `str`
2. Numeric Types
   - `int, float, complex`
3. Sequence Types
   - `list, tuple, range`
4. Mapping Type
   - `dict`
5. Set Types
   - `set, frozenset`
6. Boolean Types
   - `bool`
7. Binary Types
   - `bytes, bytearray,memoryview`

Commonly used types

```
x = 5
#str, int, float, list, tuple, dict, set, bool
#to retrieve the data type of variable x
type(x)
```

```
Output: int
```

Comparators

```
a == b
a != b
a < b
a <= b
a > b
a >= b
```

Booleans

```
True
False
```