CSIT110 Fundamental Programming with Python

Type Hints – extra info, not tested.

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In this lecture

Type Hints

Recall

int str float bool List Dict ...

Type Hints

Faster to debug

https://realpython.com/lessons/pros-and-cons-type-hints/

Check that your program is parsing or assigning the right type of data into the functions or variables when you are developing

By using the mypy package

Syntax

```
var = value # type: annotation
var: annotation; var = value
var: annotation = value
```

Syntax

Syntax

```
def func(arg: arg type, optarg: arg type = default) -> return type:
     . . .
def form equation(num1: int, num2: int, num3:int = None) -> str
    txt = f''\{num1\} + \{num2\}''
    if num3:
      txt += f'' + \{num3\}''
    return txt + " = "
```