

## MESSAGES AS OBJECTS

from dataclasses import dataclass

@dataclass → "dataclass decorator" (TO ADD SPECIAL METHODS TO A CLASS)

class Point:

x: float →

y: float → "FIELD"

z: float = 0.0 →

def main():

p = Point(1.5, 2.3)

print(p) → (x=1.5, y=2.3, z=0.0)

### 1

## DATACLASSES

1 MUTABLE

2 LIKE C-STRUCT

↓  
THEY MAINLY  
CONTAIN DATA

### 2

## NAMED-TUPLE

1 IMMUTABILITY

from typing import NamedTuple

from collections import namedtuple

MyStruct = namedtuple("MyStruct", "field1 field2 field3")

m = MyStruct("foo", "bar", "baz") or (field1="x" ...)

## MESSAGE

shost:	source host
dhost:	destination host
eta:	date
cont:	the message itself
size:	size in bytes
type:	normal or special

## MSG 1 ##

shost = 192.168.1.50

dhost = 192.168.0.1

eta = 3.00 pm

cont = b'wassup'

size = 6

type = normal