

*COMP*  
110

# Magic Methods Practice

# Class Writing

- In your CQs folder, create a folder called cq04
- In your cq04 folder create two files: point.py and line.py
- Initialize both files with: `from __future__ import annotations`
- In point.py, write a class called Point
  - It should have two attributes, `x: float` and `y: float`
  - Write a *constructor* that takes parameters: `self, x: float` and `y: float`.  
It should update the `x` and `y` attributes accordingly.
- In line.py, write a class called Line. This class will connect two Point objects!
  - You will have to import the Point class: `from CQs.cq04.point import Point`
  - It should have two attributes, `p1: Point` and `p2: Point`
  - Write a *constructor* that takes parameters: `self, p1: Point`, and `p2: Point`
  - It should update the `p1` and `p2` attributes accordingly.