Today

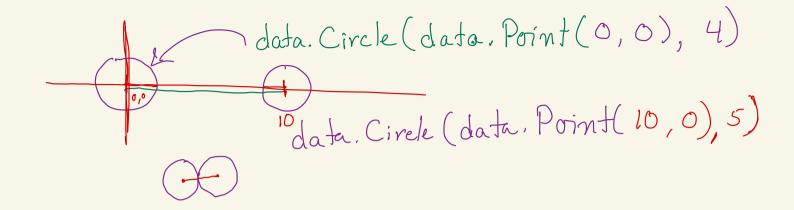
Tracing Functions

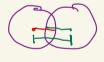
confinued

Descipe CPE/CSC 101 · Design Recipe · Developing Functions · Testing Functions What is your favorite movie?

Design Recipe
i) Give short description of functionality.
z) what is the data? . Specify input data & type . Specify result type . Link the data?
Specify result type 3) Write the function header/signature def example (x:float, y:float) » fl
Develop tests.  two test cases choose example input,  compute result "by-hand"

# Defermine if two circles overlap in 20 space. input: first eirele as Circle input: second circle as Circle Circle object H result: book indicating overlap center def circles\_overlap (circle1: Circle, radiust circle2: Circle) radius, → bool:





import unittest import funcs-objects import center 1 = data. Point (0,0) class TestCases (wittess) def test1(self): circle 1 = data. Circle (center 1 circle2 = data. Circle (data. Point (10,0), 5) result = funcs-objects. circles-overlood circle1, circle2) self. assert False self-assent Equal (result, False)