\Box	\bigcirc	- D	4 6	· · · ·	l			l	D	44.7
М	\cup I	114.	. I. I	7[()	DIE	III () I I	ne	Dav	#4

Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q4

Using a terminal, extract the initial files by running the shell script you just downloaded (you will need to navigate to the directory where you saved the file):

sh potd-q4.sh

Your files for this problem will be in the potd-q4 directory.

The Problem

Explore the different ways of passing variables to functions by writing three functions that print out the passed variable memory address. Complete three functions in q4.cpp:

- 1. pass_by_value, passing a Circle class by value
- 2. pass_by_pointer, passing a Circle class by pointer
- 3. pass_by_ref, passing a Circle class by reference

You will also need to write their prototypes in q4.h.

Each of these functions are already called in main. You should look at how they are used to set up your function correctly. In every function, the Circle should be passed as the variable c.

A Makefile has been provided for you, which will make main. Once your program prints out all four memory addresses, ensure the memory addresses printed out are what you expect (eg: which ones are the same?).

Upload Solution

Drop files here or click to upload.

Only the files listed below will be accepted—others will be ignored.

Files

O q4.cpp
not uploaded

O q4.h
not uploaded

Save & Grade

Save only

POTD 4	
Total points:	0/1
Score:	0%

Question						
Value:	1					
History:						
Awarded points: 0/1						
Report an error in this question						

Previous question

Next question