

```
[cody@fedora 🍁 homework-2 (git:hw2)]$ ls
a.out  circleType.cpp  circleType.h  main.cpp  pointType.cpp  pointType.h  shapeType.cpp  shapeType.h
[cody@fedora 🍁 homework-2 (git:hw2)]$ g++ *.h *.cpp -Wall -pedantic -std=c++11 -o main
[cody@fedora 🍁 homework-2 (git:hw2)]$ ls
a.out  circleType.cpp  circleType.h  main  main.cpp  pointType.cpp  pointType.h  shapeType.cpp  shapeType.h
[cody@fedora 🍁 homework-2 (git:hw2)]$ ./main
Enter first circle's center x coordinate: 1
Enter first circle's center y coordinate: 2
Enter first circle's radius: 1
Enter second circle's center x coordinate: 1
Enter second circle's center y coordinate: 2
Enter second circle's radius: 3

Circle 1 information:
~~~~~
2D shape
    Area = 3.1
    Perimeter = 6.3
    Radius = 1
    Center: (1, 2)

Circle 2 information:
~~~~~
2D shape
    Area = 28
    Perimeter = 19
    Radius = 3
    Center: (1, 2)

The two circles are concentric.
[cody@fedora 🍁 homework-2 (git:hw2)]$
```