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1  """
2  CS241 Checkpoint 4A
3  Written by Chad Macbeth
4  """
5
6  class Person:
7
8      ### Initialize a Person object
9      def __init__(self):
10         self.name = "anonymous"
11         self.year = "unknown"
12
13     ### Display a person
14     def display(self):
15         print("{} (b. {})" .format(self.name, self.year))
16
17 class Book:
18
19     ### Initialize a Book object
20     def __init__(self):
21         self.title = "untitled"
22         self.author = Person()    # The Book class HAS-A Person object within it
23         self.publisher = "unpublished"
24
25     ### Display a Book
26     def display(self):
27         print(self.title)
28         print("Publisher:")
29         print(self.publisher)
30         print("Author:")
31         self.author.display() # Call the display function in the Person class
32
33 ### Test the classes
34 def main():
35     book = Book()
36     book.display()
37     print()
38     print("Please enter the following:")
39     book.author.name = input("Name: ")
40     book.author.year = input("Year: ")
41     book.title = input("Title: ")
42     book.publisher = input("Publisher: ")
43     print()
44     book.display()
45
46 if __name__ == "__main__":
47     main()
48
49
50
51

```