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1  """
2  CS241 Checkpoint 3B
3  Written by Chad Macbeth
4  """
5
6  # This program will create 2 complex numbers in the main function.
7  # Each complex object will have its own real and imaginary data
8
9  class Complex:
10
11     ### Initialize a Complex number
12     def __init__(self):
13         self.real = 0
14         self.imaginary = 0
15
16     ### Prompt the user for a complex number
17     def prompt(self):
18         self.real = int(input("Please enter the real part: "))
19         self.imaginary = int(input("Please enter the imaginary part: "))
20
21     ### Display the complex number
22     def display(self):
23         print("{} + {}i".format(self.real, self.imaginary))
24
25
26     ### Driver for testing
27     def main():
28         c1 = Complex()
29         c2 = Complex()
30         print("The values are:")
31         c1.display()
32         c2.display()
33         print()
34         c1.prompt()
35         print()
36         c2.prompt()
37         print()
38         print("The values are:")
39         c1.display()
40         c2.display()
41
42     if __name__ == "__main__":
43         main()
44
45
46
47
```