# demo.py  
from operation import (  
 add\_book, add\_member, borrow\_book, return\_book,  
 list\_all\_books, list\_all\_members, genres  
)  
  
# Setup  
print("Allowed genres:", genres)  
print("\nAdding books...")  
add\_book("978-0-1111", "Intro to Python", "A. Programmer", "Non-Fiction", 2)  
add\_book("978-0-2222", "Sci-Fi Tales", "B. Writer", "Sci-Fi", 1)  
  
print("\nBooks in system:")  
for b in list\_all\_books():  
 print(b)  
  
# Add members  
m1 = add\_member("Hannah Kondeh", "hannah@example.com")  
m2 = add\_member("Alex Smith", "alex@example.com")  
  
print("\nMembers:")  
for m in list\_all\_members():  
 print(m)  
  
# Borrowing  
print("\nHannah borrows 'Intro to Python' (978-0-1111):", borrow\_book(m1, "978-0-1111"))  
print("Hannah tries to borrow same book again:", borrow\_book(m1, "978-0-1111"))  
print("Alex borrows 'Intro to Python' too:", borrow\_book(m2, "978-0-1111"))  
print("Now books:")  
for b in list\_all\_books():  
 print(b)  
  
# Returning  
print("\nHannah returns book:", return\_book(m1, "978-0-1111"))  
print("Final books:")  
for b in list\_all\_books():  
 print(b)  
  
print("\nFinal members:")  
for m in list\_all\_members():  
 print(m)