from datetime import datetime

book\_info = {

"bookID": input("Enter Book ID: "),

"dueDate": input("Enter Due Date (YYYY-MM-DD): "),

"returnDate": input("Enter Return Date (YYYY-MM-DD): ")

}

dueDate = datetime.strptime(book\_info['dueDate'], "%Y-%m-%d")

returnDate = datetime.strptime(book\_info['returnDate'], "%Y-%m-%d")

daysOverdue = (returnDate - dueDate).days

fineRate = 0 if daysOverdue <= 0

else 20 if daysOverdue <= 7

else 50 if daysOverdue <= 14

else 100

fineAmount = max(daysOverdue, 0) \* fineRate

book\_info.update({

"daysOverdue": daysOverdue,

"fineRate": fineRate,

"totalFineAmount": fineAmount

})

for key, value in book\_info.items():

print(f"{key}: {value}")