a) You are required to develop a C program to calculate the fine for overdue library books. The library charges fines based on the number of days a book is overdue. The fine rates are as follows

Days Overdue Charges per day

|  |  |
| --- | --- |
| Days Overdue | Charges per day |
| Upto 7 days | Ksh 20 |
| 8-14 days | Ksh 50 |
| 15 days or more | Kih 100 |

Write a python program that takes the following inputs from the user: bookID, dueDate and returnDate

Calculate the days overdue. Hint: retanDate-deuDate

Use an if...else statement to determine the fine rate as per the specified rates in the above

table and apply the necessary calculations.

The program should display the following

bookID

dueDate

retumDate

daysOverdue

fineRate

fineAmount