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#include <stdio.h>

int calculatefine(int daysOverdue);

int main()
{
    int bookID, dueDate, returnDate;

    printf("Enter book ID:");
    scanf("%d", &bookID);

    printf("Enter due Date:");
    scanf("%d", &dueDate);

    printf("Enter return Date:");
    scanf("%d", &returnDate);

    int daysOverdue = returnDate - dueDate;

    printf("book ID: %d\n", bookID);
    printf("due Date: %d\n", dueDate);
    printf("return Date: %d\n", returnDate);
    printf("days Overdue: %d\n", daysOverdue);

    int fine = calculatefine(daysOverdue);
    printf("Fine: Ksh %d\n", fine);

    return 0;
}

int calculatefine(int daysOverdue)
{
    int fineRate;

    if (daysOverdue <= 7)
        fineRate = 20;
    else if (daysOverdue <= 14)
        fineRate = 50;
    else
        fineRate = 100;

    int fine = daysOverdue * fineRate;
    return fine;
}

```

Enter book ID:24
Enter due Date:7
Enter return Date:15
book ID: 24
due Date: 7
return Date: 15
days Overdue: 8
Fine: Ksh 400