**Question**

A DVD store requires an application to calculate late fines. The basic fine is calculated as follows

|  |  |
| --- | --- |
| Days Late | Addition |
| 0 | No charge |
| 1-4 | €0.5 per day |
| 5-7 | €0.75 per day |
| 8-10 | €1.00 per day |
| 11-15 | €2.00 per day |
| Anything else | €2.50 per day |

For members under the age of 18, this figure is raised by 10% of the dvds retail cost for “New Releases” , and by 5% of retail cost of “Old Release”.

For members 18 and over this figure is raised by 12% of the dvds retail cost for “New Releases” , and by 7% of retail cost of “Old Release”.

The maximum fine payable is the retail value of the DVD.

Design and write a program for the company that will read in the necessary dvd details and calculate the fine for the lender.

The program should calculate fine for an unspecified number of dvds, terminating when the user indicates that they do not wish to continue.

Your program will deal with mixed case inputs, for example if the user entered “new ReLeaSe” for dvd type, your program shall deal with this as the user intended.

***Example dialogue***

*Enter days late : 5*

*Enter DVD type : new release*

*Enter dvd retail value : 50*

*Enter members age : 10*

*Your fine is : 4.13*

*Do you wish to calculate another yes/no ? :*