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#include<conio.h>

#include<stdio.h>

int cal(int duedays,float rate){

    int i;

    float cost=0;

    for(i=0;i<duedays;i++){

        cost+=rate;

    }

    return cost;

}

int main(){

    long int number;

    int duedays,dam,d;

    float cost=0;

    char name[30],type,damage;

    printf("\n\n\n Book Rent calcultor");

    printf("\n =====\n\n");

    printf("\n Enter the name of the customer: ");

    gets(name);

    printf("\n Enter the customer number: ");

    scanf("%ld",&number);

    printf("\n Enter the customer type: ");

    fflush(stdin);

    scanf("%c",&type);

    printf("\n Enter the due dates: ");

    fflush(stdin);

    scanf("%d",&duedays);

    printf("\n Is the book damaged?(Y or N)");

    fflush(stdin);

    scanf("%c",&damage);

    if(damage=='Y'){

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        d=1;
    }else{
        d=0;
    }
    if(d==1 && type=='S'){
        cost+=1000;
        dam=1000;
    }else if(d==1 && type=='F'){
        cost+=2000;
        dam=2000;
    }
    if(type=='S'){
        if(duedays<=5){
            cost+=cal(duedays,2);
        }else if(duedays<=10){
            cost+=cal(duedays-5,2);
            cost+=cal(duedays-5,2.5);
        }else if(duedays>10){
            cost+=cal(5,2);
            cost+=cal(5,2.5);
            cost+=cal(duedays-10,3.25);
        }
    }
    if(type=='F'){
        if(duedays<=5){
            cost+=cal(duedays,4.5);
        }else if(duedays<=10){
            cost+=cal(duedays-5,4.5);
            cost+=cal(duedays-5,7.5);
        }else if(duedays>10){
            cost+=cal(5,4.5);
        }
    }
}

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        cost+=cal(5,7.5);

        cost+=cal(duedays-10,10.5);

    }

}

printf("\n\n\n\n          BILL");

printf("\n =====");

printf("\nName: %s",name);

printf("\n Damage cost: %d",dam);

printf("\n Total Number of Days: %d",duedays);

printf("\n Damage Cost: %d",dam);

printf("\n Total cost for %d days: %.2f",duedays,cost);

getch();

return 0;

}

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Book Rent calculator
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Enter the name of the customer: Thanga

Enter the customer number: 98765432110

Enter the customer type: F

Enter the due dates: 20

Is the book damaged?(Y or N)Y


          BILL
          =====
Name: Thanga
Damage cost: 2000
Total Number of Days: 20
Damage Cost: 2000
Total cost for 20 days: 2164.00_

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Book Rent calculator
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Enter the name of the customer: Pratham

Enter the customer number: 9876543210

Enter the customer type: S

Enter the due dates: 10

Is the book damaged?(Y or N)N

#### BILL

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Name: Pratham

Damage cost: 0

Total Number of Days: 10

Damage Cost: 0

Total cost for 10 days: 22.00

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Book Rent calculator
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Enter the name of the customer: Justin

Enter the customer number: 8976542613

Enter the customer type: S

Enter the due dates: 4

Is the book damaged?(Y or N)Y

#### BILL

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Name: Justin

Damage cost: 1000

Total Number of Days: 4

Damage Cost: 1000

Total cost for 4 days: 1008.00