#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'){

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);

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;

}





