

Define a class BOOK with the following specifications :

Private members of the class BOOK are

BOOK NO integer type

BOOKTITLE 20 characters

PRICE float (price per copy)

TOTAL_COST() A function to calculate the total cost for N number of copies where N is passed to the function as argument.

Public members of the class BOOK are

INPUT() function to read BOOK_NO, BOOKTITLE, PRICE

PURCHASE() function to ask the user to input the number of copies to be purchased. It invokes TOTAL_COST() and prints the total cost to be paid by the user.

Note : You are also required to give detailed function definitions.

solution

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
#include<stdio.h>
```

```
class TEST
```

```
{
```

```
  private:
```

```
    int TestCode;
```

```
    char Description[30];
```

```
    int NoCandidate;
```

```
    int CenterReqd;
```

```
    int CALCNTR()
```

```
    {
```

```
        return NoCandidate/100+1;
```

```
    }
```

```
  public:
```

```
    void SCHEDULE();
```

```
    void DISPTEST();
```

```
};
```

```
void TEST::SCHEDULE()
```

T

```
{  
    cout<<"Enter Test code ";  
    cin>> TestCode;  
    cout<<"Enter description ";  
    gets(Description);  
    cout<< "Enter no of candidates ";  
    cin>>NoCandidate;  
    CenterReqd=CALCNTR();  
}
```

```
void TEST :: DISPTEST()
```

```
{  
    cout<<"Test code "<<TestCode<<"\nDescripton "<<Description<<"\nNo of candidate "  
    <<NoCandidate<<"\nCenter required "<<CenterReqd;  
}
```

```
int main ()
```

```
{  
    TEST obj;  
    obj.SCHEDULE();  
    obj.DISPTEST();  
    getch();  
    return 0;  
}
```