

① 1d 23h to test end

∷ ☆ Inheritance_2 0 A class **bill** is inherited by two classes **cheque**, **cash** in **protected mode**. bill class has two members item_price,qty. 1 The product of the two, 1. price of the item and 2. quantity will give us the total bill. 2 class **cheque** again has two members **cheque_no, cheque_amt**. Write a member function to test whether the amount in the cheque clears 3 the bill or not. if yes put the word "Clear" if no put the balance amount as "Balance=100" 4 (100 is an example). Similarly class cash has 4 data members for the number of notes of 5 500,100,10,1. Total is to be calculated from the notes and again matched with the bill. 6 If the bill is cleared with cash put the word "Clear" if no put the balance amount as "Balance=100" (100 is an example). 7 Sample Input 1: // for cheque clearance 8 //item price 10 10 //qty 9 1234 //cheque no 80 // cheque_amt 10 Sample Output 1:

//bill [item price*qty]

Balance=20 //pending=100-80=20

Sample Input 1:

100

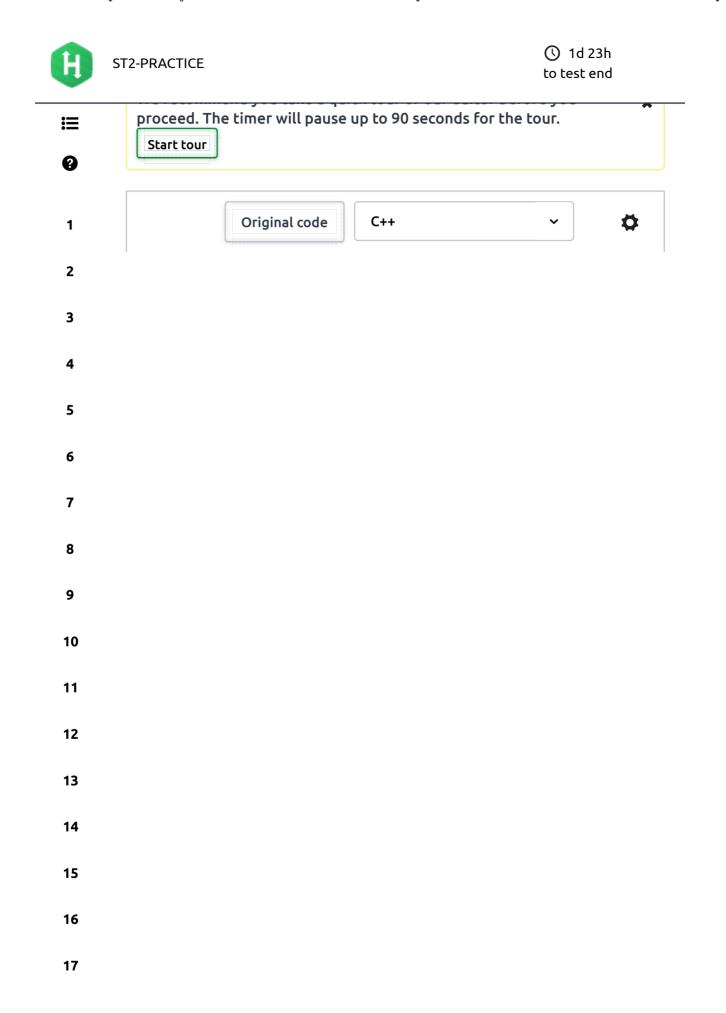
- 12 2 //for cash payment
- 10 //item_price
- 13 10 //qty
- 0 //notes of 500
- 0 //notes of 100
 - 10 //notes of 10
- 0 //notes of 1

 Sample Output 1:
- 16 Clear

17

15

11





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```
25 ▼ {
∷
        26
                 protected:
                      int item_price,qty,bill;
        27
0
        28
                 public:
        29
                      void get bill();
        30
             };
1
        31
        32
2
        33
             class cheque:protected bill
        34 ▼ {
3
        35
                 public:
                 int cheque no, cheque amt;
        36
                 void get cheque details()
        37
4
        38 ▼
        39
                      cin>>item price>>qty>>cheque no>>cheque amt;
5
        40
                 void display()
        41
6
        42 ▼
        43
                      bill=item price*qty;
                      if(cheque amt==0)
        44
7
        45 ▼
        46
                          cout<<"Clear";
8
        47
                          }
        48
                      else
9
        49 ▼
        50
                          cout<<bil<<endl;</pre>
                          bill-=cheque amt;
        51
10
                          cout<<"Balance="<<bill;</pre>
        52
        53
                          }
11
        54
                      }
        55
             };
12
        56
             class cash:protected bill
        57 ▼ {
        58
                 public:
13
                 int n1,n10,n100,n500;
        59
                 void get cash()
        60
14
        61 ▼
                      {
        62
15
             cin>>item price>>qty>>n500>>n100>>n10>>n1;
        63
16
        64
                 void display()
        65 ▼
        66
                      int total=n1+n10+n100+n500;
17
        67
                      cout/vitam nrica*atv//andl//"[]aar".
```



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(You can submit any number of times) ∷ ▲ Download sample test cases The input/output files have Unix line endings. Do 0 not use Notepad to edit them on windows. 1 2 3 4 5 6 7 8 9 10 11 12 13 14

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16

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