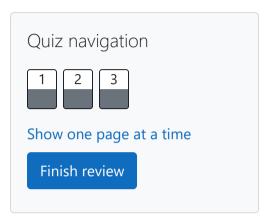
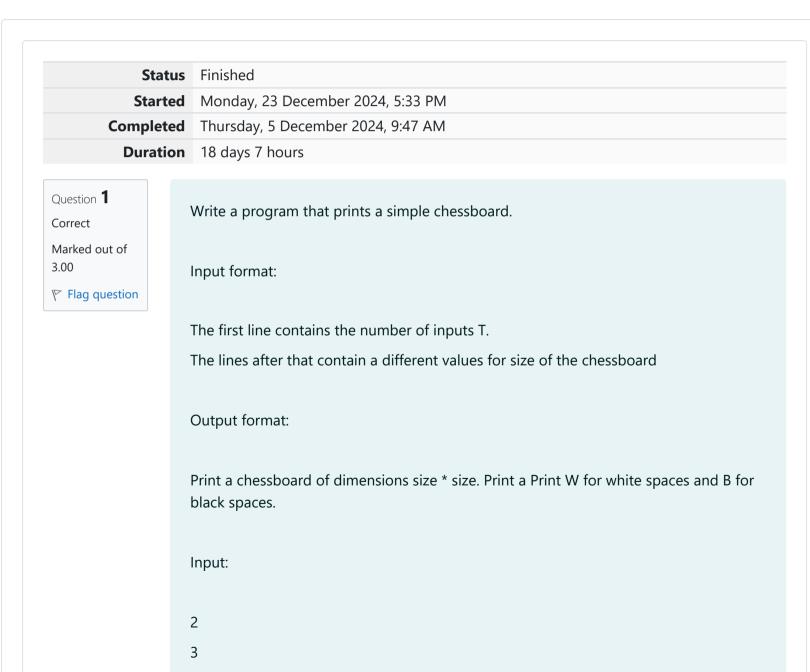
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include<stdio.h> int main() 2 3 ▼ { int v; scanf("%d",&v); 6 🔻 while(v>0){ 7 int x; 8 scanf("%d",&x); 9 **if**(x<0) 10 🔻 { 11 x=-x;12 13 char a='W'; for(int i=0;i<x;i++){</pre> 14 🔻 for(int j=0;j<x;j++){</pre> 15 v printf("%c",a); 16 **if**(a=='W') 17 a='B'; 18 19 else 20 a='W';

Output:

```
if(a=='W')
24
25
                    a='B';
26
                else
                    a='W';
27
28
29
30
        V--;
31
32
33
34
```

	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

▼ Flag question

Let's print a chessboard!

Write a program that takes input:

Output Format Print the chessboard as per the given examples Sample Input / Output Input: 2 2 W 3 B Output: WB BW BWB WBW BWB **Answer:** (penalty regime: 0 %) 1 #include<stdio.h> int main() 3 ▼ { int t.n:

```
8 •
             scanf("%d %c",&n,&ch);
 9
         for(int i=0;i<n;i++)</pre>
10
11 🔻
                 for(int j=0;j<n;j++)</pre>
12
13 🔻
                     if(ch=='W')
14
15 ▼
16
                          if((i+j)%2==0)
17
                          printf("W");
18
                          else
19
                          printf("B");
20
21
                     else
22 🔻
                          if((i+j)%2==0)
23
24
                          printf("B");
                          else
25
26
                          printf("W");
27
28
                 printf("\n");
29
30
31
32
         return 0;
33
```

	Input	Expected	Got	
~	2	WB	WB	~
	2 W	BW	BW	
	3 B	BWB	BWB	
		WBW	WBW	
		BWB	BWB	

Question **3**

Correct

Marked out of 7.00

▼ Flag question

Decode the logic and print the Pattern that corresponds to given input.

If N= 3

then pattern will be:

10203010011012

**4050809

****607

If N= 4, then pattern will be:

1020304017018019020

**50607014015016

****809012013

*****10011

Constraints

2 <= N <= 100

Input Format

Output First line print Case #i where i is the test case number In the subsequent line, print the pattern Test Case 1 3 3 5 Output Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 *****10011

```
**6070809022023024025
****10011012019020021
*****13014017018
******15016
Answer: (penalty regime: 0 %)
       #include<stdio.h>
       int main()
    2
    3 ▼
    4
            int t,n,x,y,z=1,i,ans,c;
            scanf("%d",&t);
            while(z<=t)</pre>
    7 🔻
            {
            scanf("%d",&n);
    8
            printf("Case #%d\n",z);
    9
   10
            y=1;
   11
            i=1;
            c=<mark>0</mark>;
   12
   13
            while(y<=n)</pre>
   14 🔻
   15
                 x=1;
   16
                 ans=n*n;
   17
                 ans=ans-c;
   18
                 while(x<=2*n)</pre>
   19 🔻
   20
                      if(x<=n)</pre>
   21 🔻
                          if(x<y)</pre>
   22
   23
                          printf("**");
                          else if(x<=n)</pre>
   24
   25 🔻
   26
                               printf("%d",i*10);
   27
                               i++;
   28
   29
   30
                      else
```

```
34
                         printf("%d",(ans+y));
35
                         ans++;
36
                         C++;
37
                     else if(x+y < = (2*n)+1)
38
39 •
                         printf("%d",(ans+y)*10);
40
41
                         ans++;
42
                         C++;
43
44
45
                 x++;
46
47
            y++;
            printf("\n");
48
49
50
        z++;
51
52 return 0;
```

Input Expected

Got

