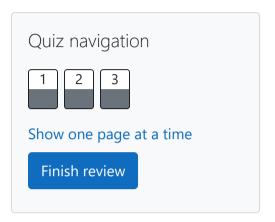
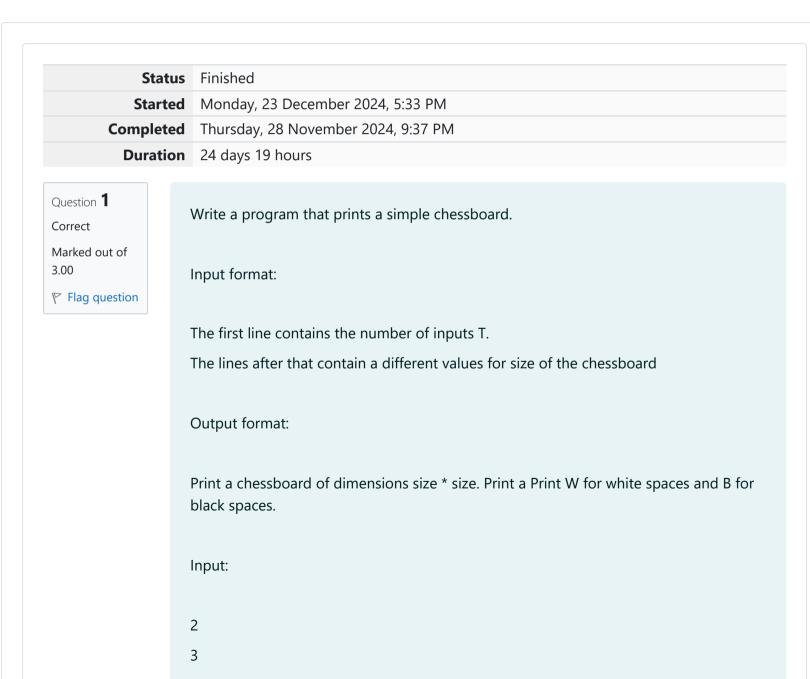
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include<stdio.h> int main() 2 3 ₹ { int n,size,i,j,count; 4 scanf("%d",&n); 5 6 while(n--) 7 🔻 8 scanf("%d",&size); 9 count=0; for(i=0;i<size;i++)</pre> 10 11 🔻 12 for(j=0;j<size;j++)</pre> 13 🔻 if(++count% 2==1) 14 15 printf("W"); 16 else 17 printf("B"); 18 19 if (size% 2==0) 20 count ++;

Output:

24 |} 25 |

	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:

The first line contains T, the number of test cases

Each test case contains an integer N and also the starting character of the chessboard

Output Format

Print the chessboard as per the given examples

```
2
2 W
3 B
Output:
WB
BW
BWB
WBW
BWB
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
   2
      int main()
   3 ▼ {
           int t,n,i,j;
   4
           char start,other;
           scanf("%d",&t);
   7 🔻
           while(t--){
   8
               scanf("%d %c",&n,&start);
              if(start=='W'|| start=='w'){
   9 🔻
                  other='B';
  10
  11
              else{
  12 🔻
  13
                  other='W';
  14
```

Input:

```
11((1+)//04--0/)
                         printf("%c",start);
18
19
                    else{
20 🔻
                         printf("%c",other);
21
22
23
                printf("\n");
24
25
26
        return 0;
27
28
```

		Input	Expected	Got	
١,	/	2	WB	WB	~
		2 W	BW	BW	
		3 B	BWB	BWB	
			WBW	WBW	
			BWB	BWB	

Passed all tests! ✓

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:

****607	
If N= 4, then pattern will be:	
1020304017018019020	
**50607014015016	
****809012013	
*****10011	
Constraints	
2 <= N <= 100	
Input Format	
First line contains T, the number of test cases	
Each test case contains a single integer N	
Output	
First line print Case #i where i is the test case number	
In the subsequent line, print the pattern	
Test Case 1	

```
3
4
5
Output
Case #1
10203010011012
**4050809
****607
Case #2
1020304017018019020
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
*****13014017018
******15016
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
   2 int main()
```

```
6 ▼
        for(int x=1; x<=t;x++){</pre>
7
             printf("Case #%d\n",x);
             int n;
 8
             scanf("%d",&n);
 9
             int f=1,b=n*(n+1);
10
             for(int i=0;i<n;i++){</pre>
11 🔻
                 for(int k=0;k<2*i;k++){</pre>
12 🔻
13
                      printf("*");
14
15
                 printf("%d",f);
16
                 f++;
                 for (int j=2;j<=n-i;j++){</pre>
17 ▼
                      printf("0%d",f);
18
19
                     f++;
20
21 🔻
                 for(int l=b-(n-i)+1;l<=b;l++){</pre>
                      printf("0%d",1);
22
23
24
                 b-=n-i;
                 printf("\n");
25
26
27
28
        return 0;
29
```

	Input	Expected	Got	
~	3	Case #1	Case #1	/
	3	10203010011012	10203010011012	
	4	**4050809	**4050809	
	5	****607	****607	
		Case #2	Case #2	
		1020304017018019020	1020304017018019020	
		**50607014015016	**50607014015016	
		****809012013	****809012013	
		*****10011	*****10011	

