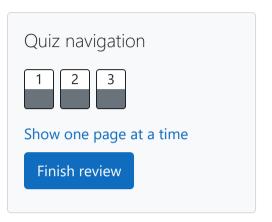
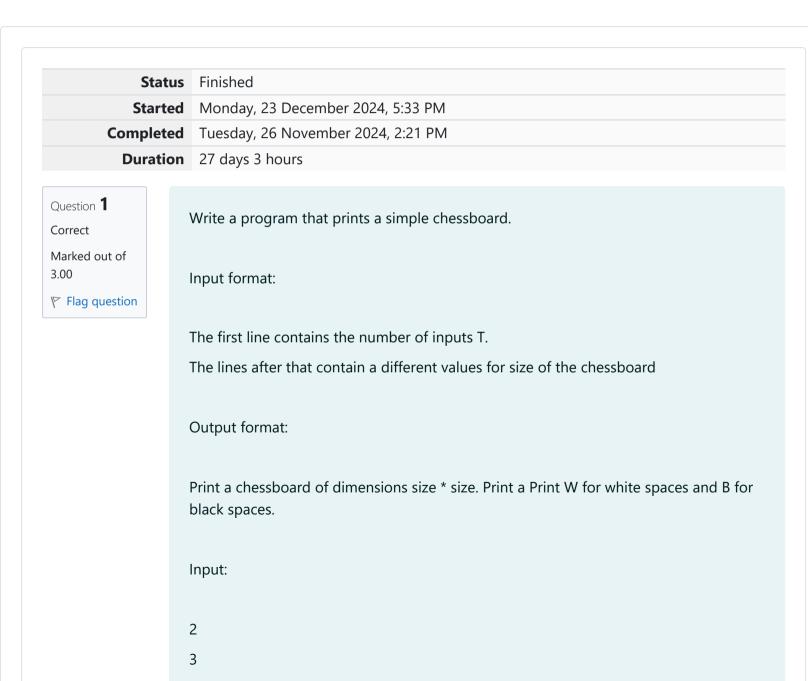
GE23131-Programming Using C-2024





Output:

WBW
BWB
WBWBW
BWBWB
WBWBWB
WBWBWB

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
 2 v int main(){
         int t,size;
 3
         scanf("%d",&t);
        for(int i=0;i<t;i++){</pre>
 5 ▼
         scanf("%d",&size);
 6
         for(int row=0;row<size;row++){</pre>
 7 🔻
 8 🔻
             for(int col=0;col<size;col++){</pre>
                 if((row+col)%2==0)
 9
10
                 printf("W");
11
                 else
12
                 printf("B");
13
             printf("\n");
14
15
16
17
         return 0;
18
```

	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

Sample Input / Output

```
3 B
Output:
WB
BW
BWB
WBW
BWB
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
   2 v int main(){
       int t,size;
      char start,other;
      scanf("%d",&t);
       while(t--){
    7
           scanf("%d %c",&size,&start);
           other=(start=='W')?'B':'W';
    8
           for(int row=0;row<size;row++){</pre>
    9 ,
               for(int col=0;col<size;col++){</pre>
  10 •
                   printf("%c",(row+col)%2==0?start:other);
   11
  12
               printf("\n");
   13
   14
  15
  16
           return 0;
   17
```

2

2 W

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

Passed all tests! ✓

Question $\bf 3$

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:

****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 3 5

```
****607
Case #2
1020304017018019020
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
*****13014017018
******15016
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
   2 v int main(){
           int T;
           scanf("%d",&T);
           for(int x=1;x<=T;x++){</pre>
               printf("Case #%d\n",x);
               int n;
               scanf("%d",&n);
               int f=1,b=n*(n+1);
   10 1
               for(int i=0;i<n;i++){</pre>
   11 1
                    for(int k=0;k<2*i;k++){</pre>
   12
                        printf("*");
```

Case #1

**4050809

10203010011012

```
for(int j=2;j<=n-i;j++){</pre>
16 🔻
                      printf("0%d",f);
17
                      f++;
18
19
                 for(int l=b-(n-i)+1;l<=b;l++){</pre>
20 🔻
                      printf("0%d",1);
21
22
                 b-=n-i;
23
24
                 printf("\n");
25
26
27
```

	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	
		Case #3	Case #3	
		102030405026027028029030	102030405026027028029030	
		**6070809022023024025	**6070809022023024025	
		****10011012019020021	****10011012019020021	
		*****13014017018	*****13014017018	
		******15016	******15016	