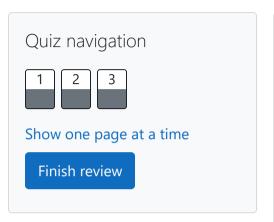
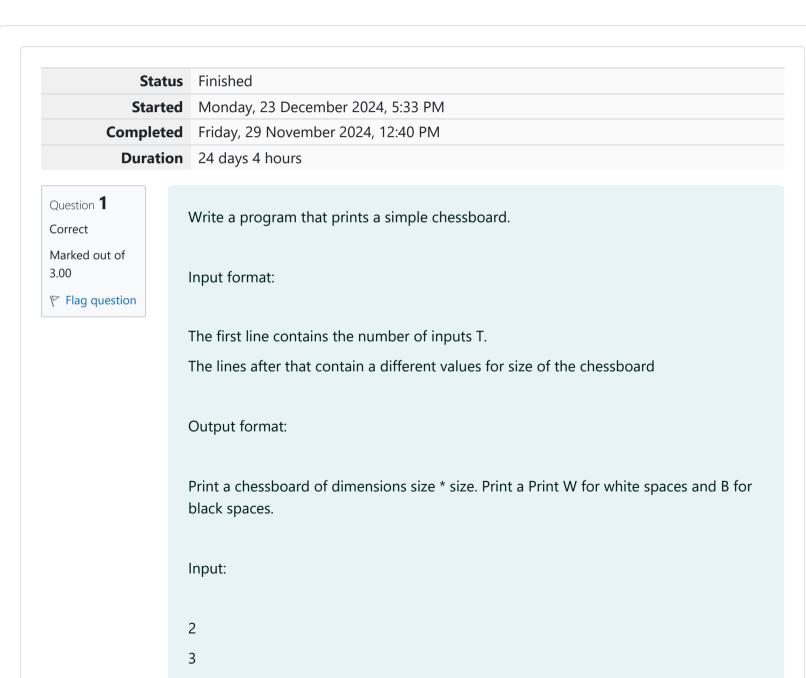
## GE23131-Programming Using C-2024





Output:

WBW
BWB
WBWBW
BWBWB
WBWBW
BWBWB
WBWBW
BWBWB
WBWBW

Answer: (penalty regime: 0 %)

1 #include<stdio.h>

```
2 v int main(){
3 int n,size,i,j,count;
4 scanf("%d",&n);
5 ▼ while(n--){
6 scanf("%d",&size);
 7
   count=0;
8 * for(i=0;i<size;i++){</pre>
9 ▼
        for(j=0;j<size;j++){</pre>
            if(++count%2==1)
10
11
            printf("W");
12
            else
13
            printf("B");
14
15
        if(size%2==0)
16
        count++;
17
        printf("\n");
18
   }}
19
```

	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  ${\bf 2}$ 

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,d,i,i1,i2,z,o;
    3
    4
    5
           char c,s;
           scanf("%d",&T);
           for(i=0;i<T;i++){</pre>
    7 🔻
                scanf("%d %c",&d,&s);
    8
    9 🔻
               for(i1=0;i1<d;i1++){</pre>
                    z=(s=='W')?0:1;
   10
   11
                    o=(i1%2==z)?0:1;
                    for(i2=0;i2<d;i2++){</pre>
   12 🔻
                        c=(i2%2==o)?'W':'B';
   13
                        printf("%c",c);
   14
   15
   16
                    printf("\n");
   17
```

2

2 W

21

	Input	Expected	Got	
~	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:

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

```
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 v int main(){
           int n,v,p3,c,in,i,i1,i2,t,ti;
           scanf("%d",&t);
           for(ti=0;ti<t;ti++){</pre>
    5 ▼
                v=<mark>0</mark>;
                scanf("%d",&n);
                printf("Case #%d\n",ti+1);
    9 🔻
                for(i=0;i<n;i++){</pre>
   10
                    c=0;
   11 🔻
                    if(i>0){
                        for(i1=0;i1<i;i1++)</pre>
   12
```

Case #1

```
16
                         if(i>0)
17
                         C++;
                         printf("%d0",++v);
18
19
                    if(i==0){
20 🔻
21
                         p3=v+(v*(v-1))+1;
22
                         in=p3;
23
24
                     in=in-c;
25
                     p3=in;
                     for(i2=i;i2<n;i2++){</pre>
26 ▼
                         printf("%d",p3++);
27
                        if(i2!=n-1)
28
29
                         printf("0");
30
                     printf("\n");
31
32
33
34
```

	Input	Expected	Got	
<b>~</b>	3 Case #1		Case #1	<b>~</b>
	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	

