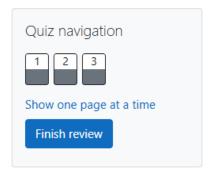
GE23131-Programming Using C-2024





Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 √ {
        int n,size,i,j,count;
 4
 5
        scanf("%d",&n);
        while(n--){
 6 +
            scanf("%d",&size);
 7
 8
            count=0;
 9 ,
            for(i=0;i<size;i++){</pre>
                for(j=0;j<size;j++){</pre>
10 +
                    if(++count%2==1)
11
12
                    printf("W");
13
                    else
14
                    printf("B");
15
                if(size%2==0)
16
17
                count++;
                printf("\n");
18
19
20
21 }
```

	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! ✓
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
Input:
2
2 W
3 B
Output:
WB
BW
BWB WBW

Question **2**Correct
Marked out of 5.00

Flag question

BWB

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
   int main()
2
3 v {
        int t,n,i,j;
4
5
        char start, other;
 6
        scanf("%d",&t);
        while(t--){
7 🔻
            scanf("%d %c",&n,&start);
8
            if(start=='W'||start=='w'){
9 ,
10
                other='B';
11 •
            }else{
                other='W';
12
13
            for(i=0;i<n;i++){</pre>
14 *
15 •
                for(j=0;j<n;j++){</pre>
16 •
                    if((i+j)\%2==0){
                        printf("%c",start);
17
18 ,
                    }else{
19
                        printf("%c",other);
20
                }printf("\n");
21
22
23
24
25
```

	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

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

7.00 If N= 3 Flag question then pattern will be: 10203010011012 **4050809 ****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
3
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()
   3 ₹ {
          int t;
   5
          scanf("%d",&t);
          for(int x=1;x<=t;x++){</pre>
   6 +
              printf("Case #%d\n",x);
   7
```

8

10

11 +

int n;

scanf("%d",&n); int f=1,b=n*(n+1);

for(int i=0;i<n;i++){</pre>

```
for(int k=0;k<2*i;k++){
12 🔻
13
                printf("*");
14
15
               printf("%d",f);
16
               f++;
17 •
               for(int j=2;j<=n-i;j++){</pre>
                   printf("0%d",f);
18
                f++;
19
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	
		Case #3	Case #3	
		102030405026027028029030	102030405026027028029030	
		**6070809022023024025	**6070809022023024025	
		****10011012019020021	****10011012019020021	
		*****13014017018	******13014017018	
		*******15016	*******15016	

Passed all tests! <