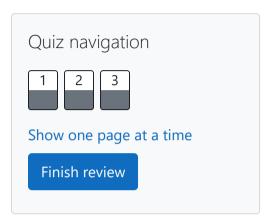
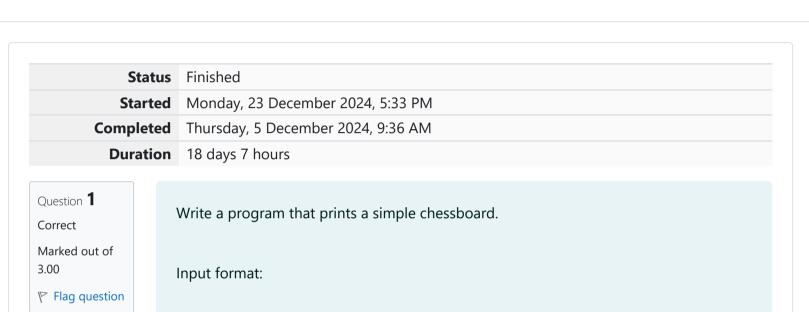
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## GE23131-Programming Using C-2024





The first line contains the number of inputs T.

The lines after that contain a different values for size of the chessboard

Output format:

Print a chessboard of dimensions size \* size. Print a Print W for white spaces and B for black spaces.

Input:

2

3

5

Output:

WBW

**BWB** 

**WBW** 

**WBWBW** 

**BWBWB** 

**WBWBW** 

**BWBWB** 

**WBWBW** 

## **Answer:** (penalty regime: 0 %)

```
1 #include <stdio.h>
2 v int main() {
        int t,arr[100];
 3
        scanf("%d", &t);
        for(int i=0;i<t;i++){</pre>
5 ▼
             scanf("%d", &arr[i]);
 6
 7
 8
9 🔻
        for(int z=0;arr[z]!='\0';z++){
             for(int j=0;j<arr[z];j++){</pre>
10 🔻
11 🔻
                 for(int i=0;i<arr[z];i++){</pre>
12 🔻
                      if((i+j)%2==0){
13
                          printf("W");
14
15 v
                      else{
16
                          printf("B");
17
18
                 printf("\n");
19
20
```

21 }
22 return 0;
23 }

	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

Input: 2 W 3 B Output: WB BW **BWB WBW** BWB **Answer:** (penalty regime: 0 %) 1 #include <stdio.h> 2 v int main(){ 3 int T,d,i1,i2,o,z; 4 char s,c; 5 6 scanf("%d", &T); 7 🔻 for(int i=0;i<T;i++){</pre> scanf("%d %c", &d,&s); 8 9 • for(i1=0;i1<d;i1++){</pre> z=(s=='W')?0:1; 10 o=(i1%2==z)?0:1; 11 12 for(i2=0;i2<d;i2++)</pre> 13 🔻 c=i2%2==o?'W':'B'; 14 printf("%c",c); 15

Sample Input / Output

2

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

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: 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 4

```
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 v int main(){
           int n;
    3
           scanf("%d", &n);
           for(int i=1;i<=n;i++){</pre>
               int a;
               scanf("%d", &a);
               int l=1,s=a,t=(a*(a+1))-a+1;
               nrintf("Case #%d\n" i).
```

5

```
10 🔻
             for(int j=0;j<a;j++){</pre>
                 int k=2*j,t1=t;
11
                 while(k>0){
12 🔻
                      printf("%c", '*');
13
14
                      k-=1;
15
16
                 for(int p=0;p<s;p++){</pre>
17 ▼
                     printf("%d",1);
18
19
                     1+=1;
                      printf("%d",0);
20
21
                 for(int q=0;q<s;q++){</pre>
22 🔻
                     printf("%d",t1);
23
24
                     t1+=1;
                     if(q==(s-1)){
25 ▼
26
                          break;
27
                     printf("%d",0);
28
29
30
                 s-=1;
31
                 t-=s;
                 printf("\n");
32
33
34
35
36
```

	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	
	*****13014017018	*****13014017018	
	******15016	******15016	

Passed all tests! ✓

Finish review