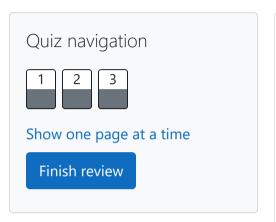
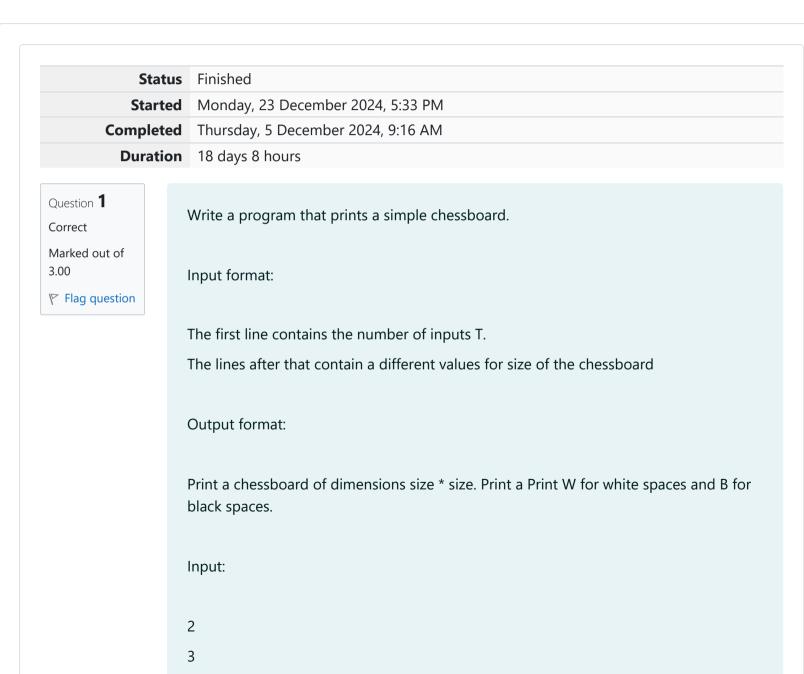
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include<stdio.h> 2 int main() 3 ₹ { int T,d,i=0,i1,i2,o; char c; 5 scanf("%d",&T); 6 while(i<T)</pre> 7 8 * scanf("%d",&d); 9 10 i1=<mark>0</mark>; 11 while(i1<d)</pre> 12 🔻 13 o=**1**; i2=**0**; 14 15 if(i1%2==0) 16 🔻 17 o=**0**; 18 19 while(i2<d)</pre> 20 🔻

Output:

```
c='W';
24
25
                       printf("%c",c);
26
                       i2++;
27
28
29
                 i1+=<mark>1</mark>;
                 printf("\n");
30
31
             i=i+1;
32
33
34
35
36
37
38
39
```

	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

Let's print a chessboard!

γ riag question 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** BWB

```
2 |int main()
 3 ₹ {
 4
        int T,d,i,i1,i2,o,z;
 5
        char c,s;
        scanf("%d",&T);
 6
 7
        for(i=0;i<T;i++)</pre>
 8 *
             scanf("%d %c",&d,&s);
 9
             for(i1=0;i1<d;i1++)</pre>
10
11 🔻
                 z=(s=='W') ? 0:1;
12
                 o=(i1\%2==z) ? 0:1;
13
                 for(i2=0;i2<d;i2++)</pre>
14
15 v
                     c=(i2%2==o) ? 'W' : 'B';
16
                     printf("%c",c);
17
18
19
                 printf("\n");
20
21
22
        return 0;
23 }
```

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

Passed all tests! <

1.UU 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

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

******15016

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
   int main()
 2
 3 ▼ {
         int n,v,p3,c,in,i,i1,i2,t,ti;
 4
         scanf("%d",&t);
 5
         for(ti=0;ti<t;ti++){</pre>
 6 •
 7
             v=<mark>0</mark>;
             scanf("%d",&n);
 8
 9
             printf("Case #%d\n",ti+1);
10 •
             for(i=0;i<n;i++){</pre>
11
                 c=0;
12 🔻
                 if(i>0){
13
                      for(i1=0;i1<i;i1++) printf("**");</pre>
14
15
             for(i1=i;i1<n;i1++){</pre>
16 🔻
17
                 if(i>0) c++;
                 printf("%d0",++v);
18
19
20
21 •
             if(i==0){
22
                  p3=v+(v*(v-1))+1;
23
                  in=p3;
24
25
             in=in-c;
             p3=in;
26
27 🔻
             for(i2=i;i2<n;i2++){</pre>
                 printf("%d",p3++);
28
                 if(i2!=n-1) printf("0");
29
             }printf("\n");
30
31
32
33
```

		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	
l			****10011012019020021	****10011012019020021	
ı			*****13014017018	*****13014017018	
			******15016	******15016	

Passed all tests! <

Finish review