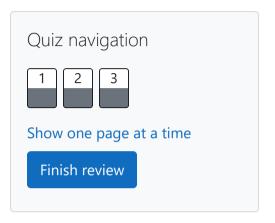
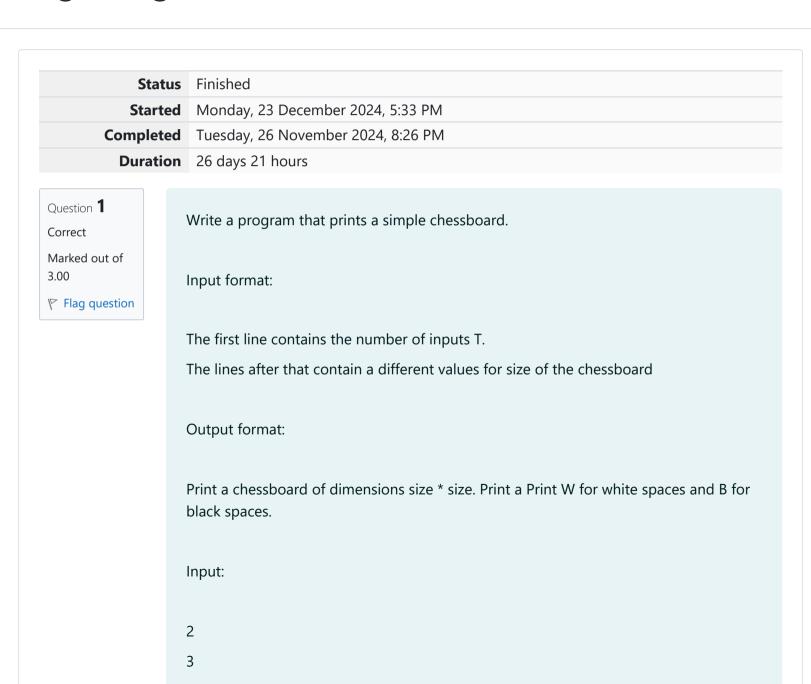
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include<stdio.h> 2 int main() 3 ▼ int a,n; scanf("%d",&a); for(int i=1;i<=a;i++)</pre> 7 🔻 scanf("%d",&n); 8 9 for(int j=1;j<=n;j++)</pre> 10 11 for(int k=1;k<=n;k++)</pre> 12 🔻 13 if((j-k)%2==0)14 🔻 15 printf("W"); 16 17 else 18 🔻 printf("B"); 19 20

Output:

	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

```
2
2 W
3 B
Output:
WB
BW
BWB
WBW
BWB
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
      int main()
    2
    3 ₹ {
           int t,d,i,i1,i2,o,z;
           char c,s;
           scanf("%d",&t);
           for(i=0;i<t;i++)</pre>
    8 🔻
               scanf("%d %c",&d,&s);
    9
  10
               for(i1=0;i1<d;i1++)</pre>
   11 🔻
  12
                   z=(s=='W')?0:1;
```

Sample Input / Output

Input:

```
16 | c=(i2%2==o)?'W':'B'; | printf("%c",c); | } | 19 | printf("\n"); | 20 | } | 21 | } | 22 | }
```

	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

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

```
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 n,v,p3,c,in,i,i1,i2,t,ti;
           scanf("%d",&t);
           for(ti=0;ti<t;ti++)</pre>
   7 ▼
```

```
11 🔻
                 for(i=0;i<n;i++)</pre>
12
13 🔻
                     c=0;
14
                     if(i>0)
15
16
17
                          for(i1=0;i1<i;i1++)</pre>
                          printf("**");
18
19
                     for(i1=i;i1<n;i1++){</pre>
20
                          if(i>0)
21
22
                          C++;
                          printf("%d0",++v);
23
24
25
                     if(i==0)
26 •
27
                          p3=v+(v*(v-1))+1;
28
                          in=p3;
29
30
                     in=in-c;
                     p3=in;
31
32 🔻
                     for(i2=i;i2<n;i2++){</pre>
                          printf("%d",p3++);
33
34
                          if(i2!=n-1)
                          printf("0");
35
36
                     printf("\n");
37
38
39
40
41
42
```

