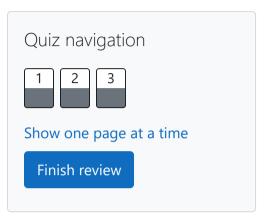
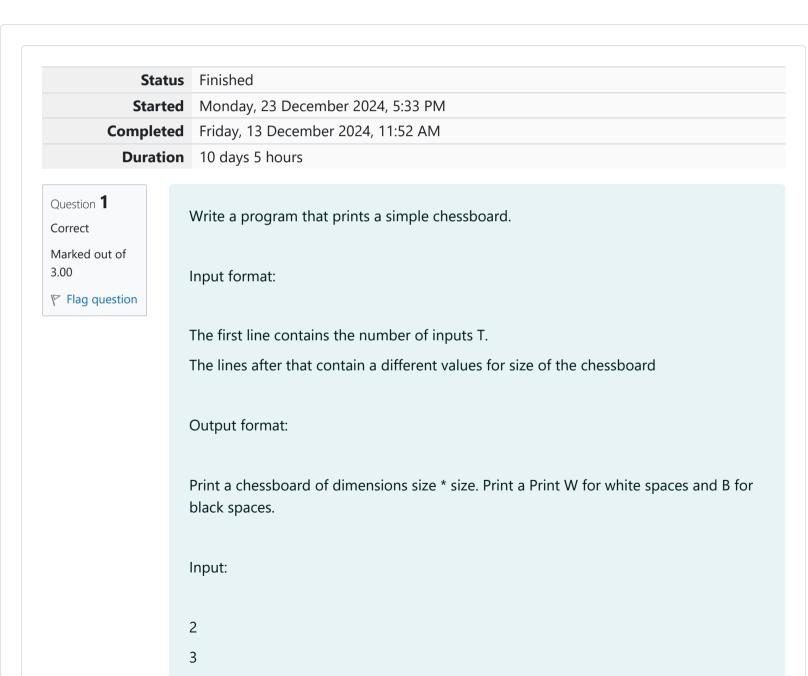
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include<stdio.h> 2 v int main(){ int T,d,i=0,i1,i2,o; 3 char c; scanf("%d",&T); 6 🔻 while(i<T){</pre> 7 scanf("%d",&d); 8 i1=<mark>0</mark>; while(i1<d){</pre> 9 , o=**1**; 10 11 i2=<mark>0</mark>; 12 🔻 if(i1%2==0){ 13 o=**0**; 14 15 ▼ while(i2<d){</pre> c='B'; 16 if(i2%2==o){ 17 🔻 c='W'; 18 19 printf("%c",c); 20

Output:

```
24 | printf("\n");
25 | }
26 | i+=1;
27 | }
28 |}
```

	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

```
Sample Input / Output
Input:
2
2 W
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,o,z;
    3
           char c,s;
    4
           scanf("%d",&T);
    6 🔻
           for(i=0;i<T;i++){</pre>
               scanf("%d %c",&d,&s);
           for (i1=0;i1<d;i1++){</pre>
    9 🔻
               z=(s=='W')?0:1;
   10
```

```
14 | printf("%c",c);
15 | }
17 | printf("\n");
18 | }
19 | }
20 | }
```

	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

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

```
5
Output
Case #1
10203010011012
**4050809
****607
Case #2
1020304017018019020
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
*****13014017018
******15016
Answer: (penalty regime: 0 %)
      #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>
```

```
tor(i=0;i<n;i++){
10
                 c=0;
                 if(i>0){
11 🔻
                     for(i1=0;i1<i;i1++) printf("**");</pre>
12
13
14 🔻
                 for(i1=i;i1<n;i1++){</pre>
                     if(i>0)c++;
15
16
                     printf("%d0",++v);
17
18 🔻
                 if(i==0){
19
                     p3=v+(v*(v-1))+1;
20
                     in=p3;
21
                 in=in-c;
22
23
                 p3=in;
                 for(i2=i;i2<n;i2++){</pre>
24 1
25
                     printf("%d",p3++);
26
                     if(i2!=n-1) printf("0");
                 }printf("\n");
27
28
29
30
```

	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	

