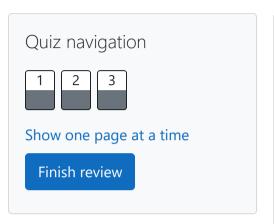
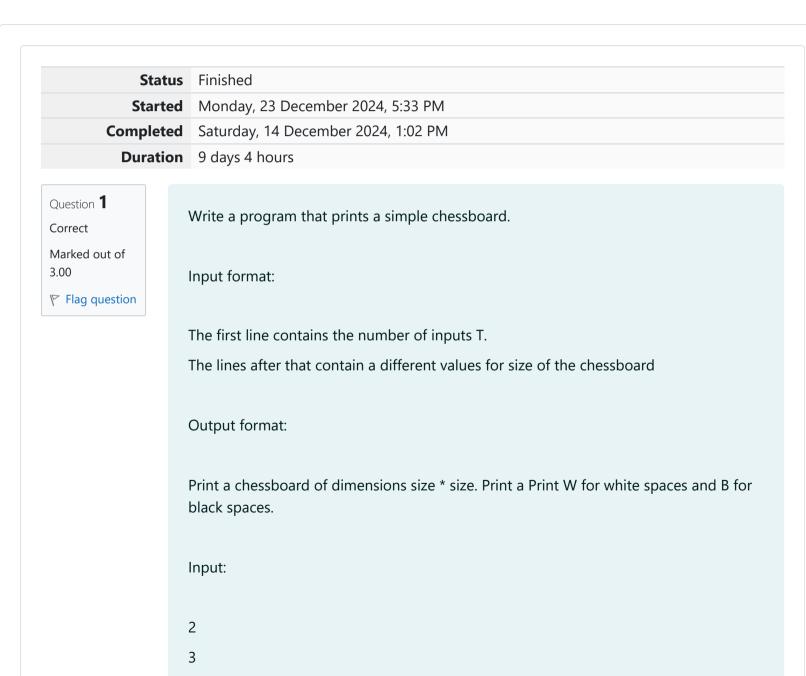
GE23131-Programming Using C-2024





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; scanf("%d",&T); while(i<T)</pre> 8 , scanf("%d",&d); 9 10 i1=<mark>0</mark>; 11 while(i1<d)</pre> 12 🔻 13 o=**1**; 14 i2=**0**; 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
```

	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 ${f 2}$

Correct

Marked out of 5.00

Let's print a chessboard!

Write a program that takes input:

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 **Answer:** (penalty regime: 0 %) 1 #include<stdio.h> 2 int main()

```
scanf("%d",&T);
         for(i=0;i<T;i++)</pre>
 7
 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 🔻
                      c=(i2\%2==o) ? 'W' : 'B';
16
                      printf("%c",c);
17
18
                 printf("\n");
19
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! <

Question **3**

Correct

Marked out of 7.00

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

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

Test Case 1 3 3 5 Output Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 *****10011 Case #3 102030405026027028029030 **6070809022023024025 ****10011012019020021 *****13014017018

Answer: (penalty regime: 0 %)

```
#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
         v=<mark>0</mark>;
 7
         scanf("%d",&n);
 8
         printf("Case #%d\n",ti+1);
 9
         for(i=0;i<n;i++){</pre>
10
             C=0;
11
             if(i>0){
12 🔻
                  for(i1=0;i1<i;i1++) printf("**");</pre>
13
14
15 1
             for(i1=i;i1<n;i1++){</pre>
                  if(i>0) C++;
16
                  printf("%d0",++v);
17
18
19 🔻
             if(i==0){
                  p3=v+(v*(v-1))+1;
20
                  in=p3;
21
22
23
             in=in-C;
             p3=in;
24
             for(i2=i;i2<n;i2++){</pre>
25
                  printf("%d",p3++);
26
                  if(i2!=n-1) printf("0");
27
28
             }printf("\n");
29
30
31
```

