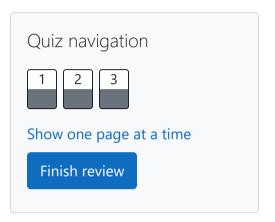
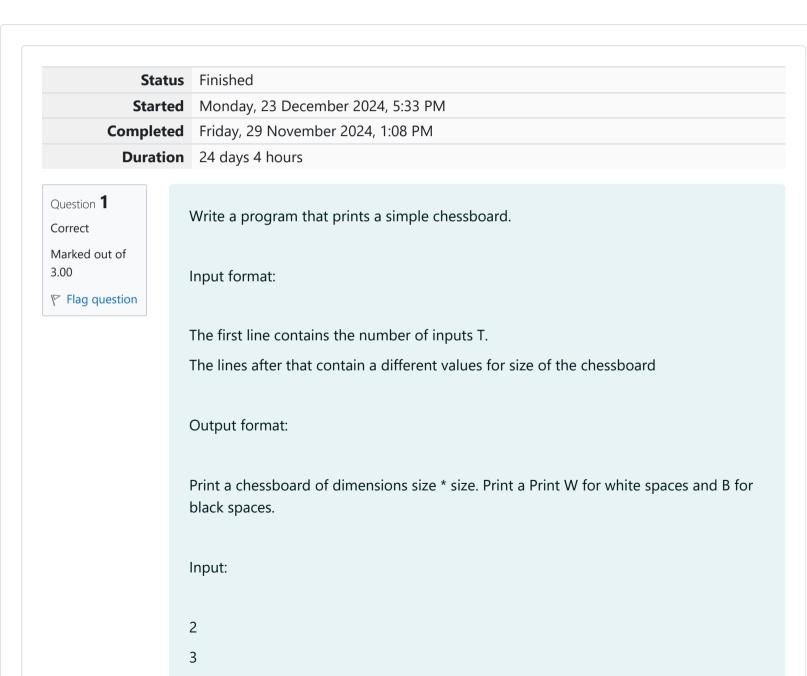
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include<stdio.h> 2 v int main(){ int n; 3 scanf("%d",&n); while(n--){ 5 🔻 6 int i; scanf("%d",&i); 8 , for(int j=1;j<=i;j++){</pre> 9 , if(j%2!=0){ int c=1; 10 11 char a = 'W'; 12 🔻 while(c<=i){</pre> 13 printf("%c",a); a=(a=='W')?'B':'W'; 14 15 c++; 16 printf("\n"); 17 18 19 20 1 else{

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

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 v int main(){ 3 int n; scanf("%d",&n); while(n--){ int i; char ch;

```
char a='W';
11
12
                     int c=1;
13 🔻
                     while(c<=i){</pre>
                          printf("%c",a);
14
                          a=(a=='W')?'B':'W';
15
16
                          C++;
17
18
                     ch=(ch=='W')?'B':'W';
                      printf("\n");
19
20
21 🔻
                 else{
22
                     char z='B';
                     int m=1;
23
                     while(m<=i){</pre>
24 🔻
                          printf("%c",z);
25
26
                          z=(z=='W')?'B':'W';
27
                          m++;
28
29
                     ch=(ch=='w')?'B':'W';
                     printf("\n");
30
31
32
33
34
```

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

Passed all tests! <

Marked out of 7.00 Flag question

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

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 %)

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

