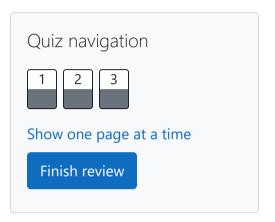
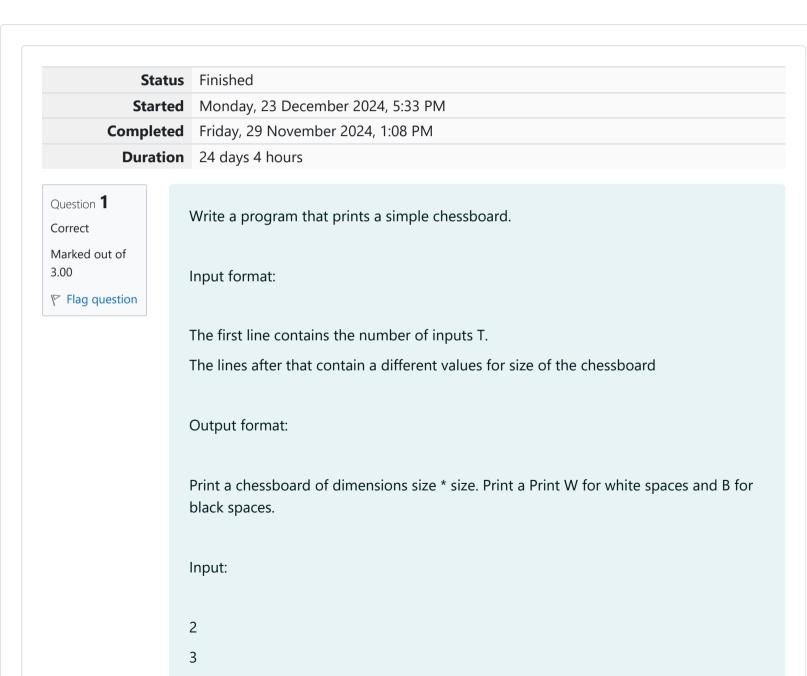
GE23131-Programming Using C-2024





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:

```
24 | printf("%c",z);
    z=(z=='W')?'B':'W';
    m++;
    }
    printf("\n");
    30     }
    31     }
    32     }
    33     }
```

	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

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

```
for(int j=1;j<=i;j++){</pre>
                 if(ch == 'W'){
10 🔻
11
                     char a='W';
                     int c =1;
12
                     while(c<=i){</pre>
13 🔻
                          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';
23
                     int m=1;
                     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	

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

****607

If N= 4, then pattern will be:

1020304017018019020

**50607014015016

****809012013

*****10011

Constraints

2 <= N <= 100

Input Format

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 5 Output Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 *****10011

```
**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;
    3
            scanf("%d",&t);
            for(ti=0;ti<t;ti++){</pre>
    5 ,
                v=<mark>0</mark>;
    6
                scanf("%d",&n);
                printf("Case #%d\n",ti+1);
    8
    9 ,
                for(i=0;i<n;i++){</pre>
   10
                     c=0;
                     if(i>0){
   11 1
                         for(i1=0;i1<i;i1++)</pre>
   12
                              printf("**");
   13
   14
   15 1
                for(i1=i;i1<n;i1++){</pre>
   16
                     if(i>0) c++;
                     printf("%d0",++v);
   17
   18
   19 1
                if(i==0){
   20
                     p3=v+(v*(v-1))+1;
   21
                     in=p3;
   22
   23
                in=in-c;
   24
                p3=in;
   25 1
                for(i2=i;i2<n;i2++){</pre>
                     printf("%d",p3++);
   26
   27
                     if(i2!=n-1) printf("0");
   28
                }printf("\n");
   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	
		**6070809022023024025	**6070809022023024025	
		****10011012019020021	****10011012019020021	
		*****13014017018	*****13014017018	
		******15016	******15016	

Passed all tests! ✓

Finish review

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