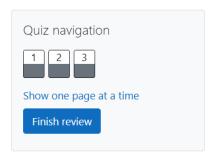
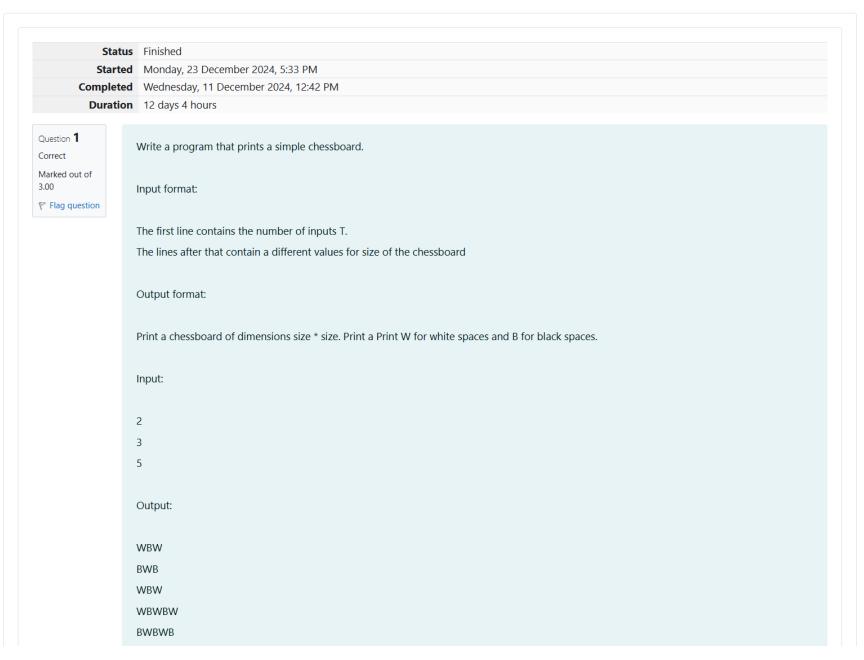
GE23131-Programming Using C-2024





BWBWB WBWBW Answer: (penalty regime: 0 %) #include<stdio.h> 2 v int main(){ 3 int T,d,o; 4 char c; 5 scanf("%d",&T); for(int i=0;i<T;i++){</pre> 6 1 7 scanf("%d",&d); for(int j=0;j<d;j++){</pre> 8 9 o=1; if(j%2==0){ 10 11 0=0; 12 13 for(int k=0;k<d;k++){ 14 c='B'; if(k%2==o){ 15 16 c='W'; 17 printf("%c",c); 18 19 printf("\n"); 20 21 22 23 24 }

	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! <

WBWBW

Question **2**Correct

Let's print a chessboard!

Marked out of Write a program that takes input: Flag question 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 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>

5.00

```
2 v int main(){
 3
        int T,a,c,d;
 4
        char b,e;
 5
        scanf("%d",&T);
        for(int i=0;i<T;i++){</pre>
 6 1
            scanf("%d %c",&a,&b);
 7
            for(int j=0;j<a;j++){</pre>
 8
 9
                 c=(b=='W')?0:1;
                 d=(j%2==c)?0:1;
10
                 for(int k=0;k<a;k++){</pre>
11
                    e=(k%2==d)?'W':'B';
12
13
```

```
14 | printf("%c",e);
15 | }
16 | printf("\n");
17 | |
18 | }
19 | }
20 |
21 |}
```

	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

****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
First line print Case #i where i is the test case number
In the subsequent line, print the pattern
Test Case 1
3
3
4
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 no_of_test,case_no,a,b,c,d;
    3
           scanf("%d",&no_of_test);
    4
    5
           for(int i=1;i<=no_of_test;i++){</pre>
    6
               a=0;
    7
               scanf("%d",&case_no);
               printf("Case #%d\n",i);
    8
               for(int j=0;j<case_no;j++){</pre>
    9
                   b=0;
  10
  11
                   if(j>0){}
                       for(int k=0;k<j;k++)</pre>
  12
  13
                        printf("**");
  14
                   for(int l=j;l<case_no;l++){</pre>
  15
  16
                       if(j>0)
  17
                       b++;
                       printf("%d0",++a);
  18
  19
  20
                   if(j==0){
  21
                       c=a+(a*(a-1))+1;
  22
                       d=c;
  23
  24
                   d=d-b;
  25
                   c=d;
                   for(int m=j;m<case_no;m++){</pre>
  26
  27
                       printf("%d",c++);
                       if(m!=case_no-1)
  28
                       printf("0");
  29
  30
  31
                   printf("\n");
  32
  33
  34
  35
  36
  37
```

	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 raviou