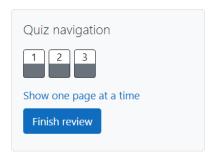
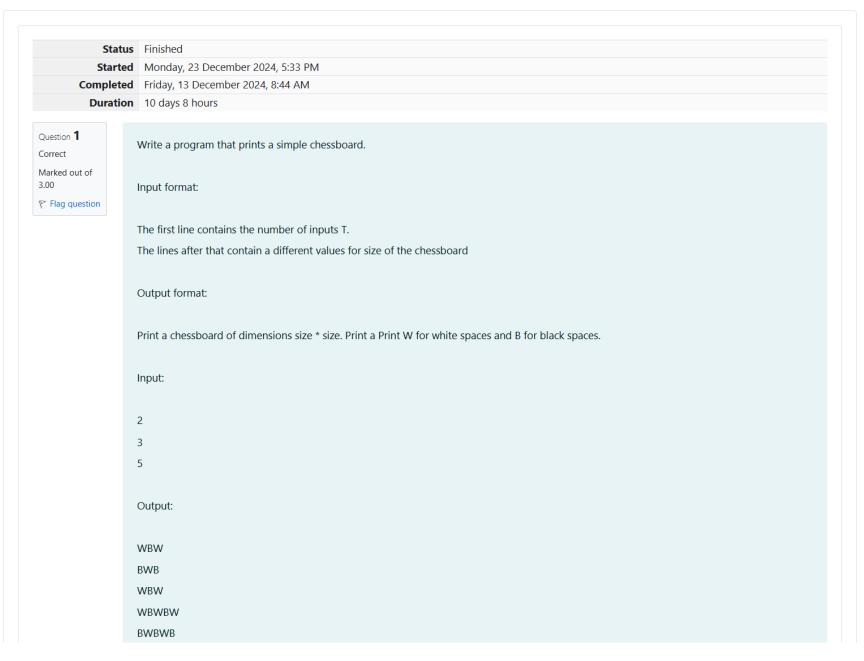
## GE23131-Programming Using C-2024





WBWBW BWBWB WBWBW

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
  2 in 3 v {
     int main()
  4
         int T,size,i,j;
         scanf("%d",&T);
  5
         while(T--)
  6
  7
             scanf("%d",&size);
  8
  9
             for(i=0;i<size;i++)</pre>
 10
 11
                 for(j=0;j<size;j++)</pre>
 12 1
                     if((i+j)\%2==0){
 13 1
                         printf("W");
 14
 15
 16
                     else{
                         printf("B");
 17
 18
 19
                 printf("\n");
 20
 21
 22
 23
         return 0;
 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! <

Marked out of 5.00 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 %)

```
#include<stdio.h>
     int main()
 2
 3 ₹
         int T,N,i,j;
 4
         char ch;
 5
         scanf("%d",&T);
 6
         while(T--)
 7
 8
             scanf("%d %c",&N,&ch);
for(i=0;i<N;i++)</pre>
 9
10
11
                  for(j=0;j<N;j++)</pre>
12
```

```
13 🔻
                     printf("%c",ch);
ch=(ch=='W')?'B':'W';
14
15
16
                 printf("\n");
17
                 if(N%2==0)
18
19
                     ch=(ch=='W')?'B':'W';
20
21
22
23
24
         return 0;
25 }
```

	Input	Expected	Got	
<b>~</b>	2	WB	WB	~
	2 W	BW	BW	
	3 B	BWB	BWB	
		WBW	WBW	
		BWB	BWB	
			DWD	
Passe	d all test	s! 🗸		

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

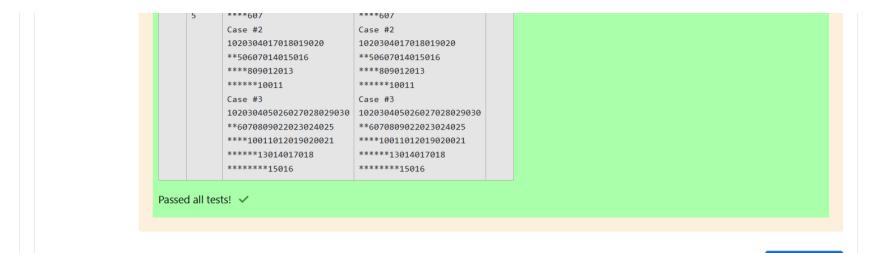
\*\*50607014015016

\*\*\*\*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 %)
   1 #include<stdio.h>
       int main()
   2
   3 ₹ {
   4
           int t;
   5
           scanf("%d",&t);
           for(int x=1;x<=t;x++)</pre>
   6
   7
              printf("Case #%d\n",x);
   8
   9
               int n;
  10
               scanf("%d",&n);
  11
               int f=1,b=n*(n+1);
               for(int i=0;i<n;i++)</pre>
  12
  13
  14
                   for(int k=0;k<2*i;k++)</pre>
  15
  16
                       printf("*");
  17
                   printf("%d",f);
  18
  19
                   f++;
                   for(int j=2;j<=n-i;j++)</pre>
  20
  21
  22
                       printf("0%d",f);
  23
                       f++;
  24
  25
                   for(int l=b-(n-i)+1;l<=b;l++)</pre>
  26
  27
                       printf("0%d",1);
  28
  29
                   b-=n-i;
                   printf("\n");
  30
  31
  32
  33
           return 0;
  34 }
```

	Input	Expected	Got	
~	3	Case #1	Case #1	~
	3	10203010011012	10203010011012	
	4	**4050809	**4050809	



Finish review