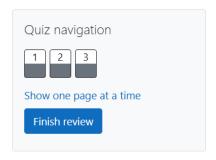
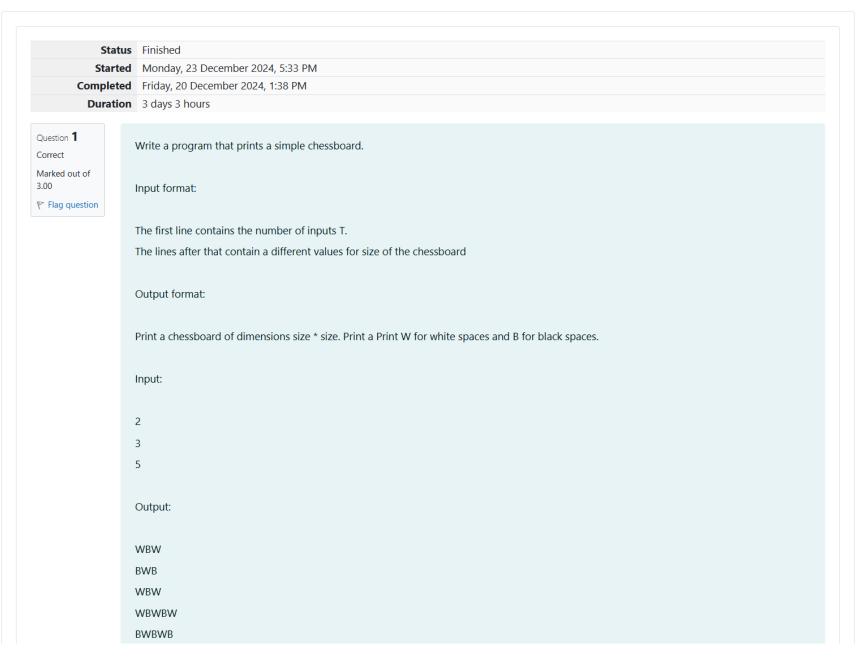
## GE23131-Programming Using C-2024





WBWBW BWBWB WBWBW

Answer: (penalty regime: 0 %)

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

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;
scanf("%d",&T);
 4
 5
        while(T--)
 6
 7 ,
 8
            int n;
            char starchar;
 9
            scanf("%d %c",&n,&starchar);
10
            char firstchar = starchar;
11
            char secondchar = (starchar=='B')?'W':'B';
12
```

```
13
             for(int i=0;i<n;i++)</pre>
14
                for(int j=0;j<n;j++)</pre>
15
16
                    if((i+j)\%2==0)
17
18
                         printf("%c",firstchar);
19
20
21
                     else
22
                         printf("%c", secondchar);
23
24
25
                printf("\n");
26
27
28
29 }
```

	WB BW	~
BW	RM	
	DW	
BWB	BWB	
WBW	WBW	
BWB	BWB	
l	NBW	NBW WBW

Question **3**Correct
Marked out of 7.00

Friag 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
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>
   2
       int main()
   3 ▼ {
   4
           int t,n,x,y,i,ans,c,z=1;
           scanf("%d",&t);
   5
   6
           while(z<=t)</pre>
   7
               scanf("%d",&n);
   8
               printf("Case #%d\n",z);
   9
  10
               y=1;
  11
               i=1;
  12
               c=0;
               while(y<=n)</pre>
  13
  14
  15
                   x=1;
  16
                   ans=(n*n);
  17
                   ans=ans-c;
  18
                   while(x<=2*n)</pre>
  19
  20
                       if(x<=n)</pre>
  21
  22
                            if(x<y)</pre>
                            printf("**");
  23
  24
                            else if(x<=n)</pre>
  25
                               printf("%d",i*10);
  26
  27
                                i++;
  28
  29
  30
                       else
  31
  32
                            if((x+y)==(2*n+1))
  33
                               printf("%d",(ans+y));
  34
  35
                                ans ++;
  36
                                C ++;
  37
  38
                            else if(x+y <= (2*n+1))
  39
  40
                                printf("%d",(ans+y)*10);
```

```
C++;
                    diis ++,
42
43
44
45
            X++;
46
47
           y ++;
            printf("\n");
48
49
50
      Z++;
51
52
      return 0;
```

	Input	Expected	Got	
<b>~</b>	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