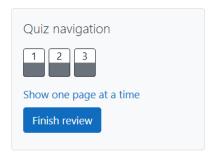
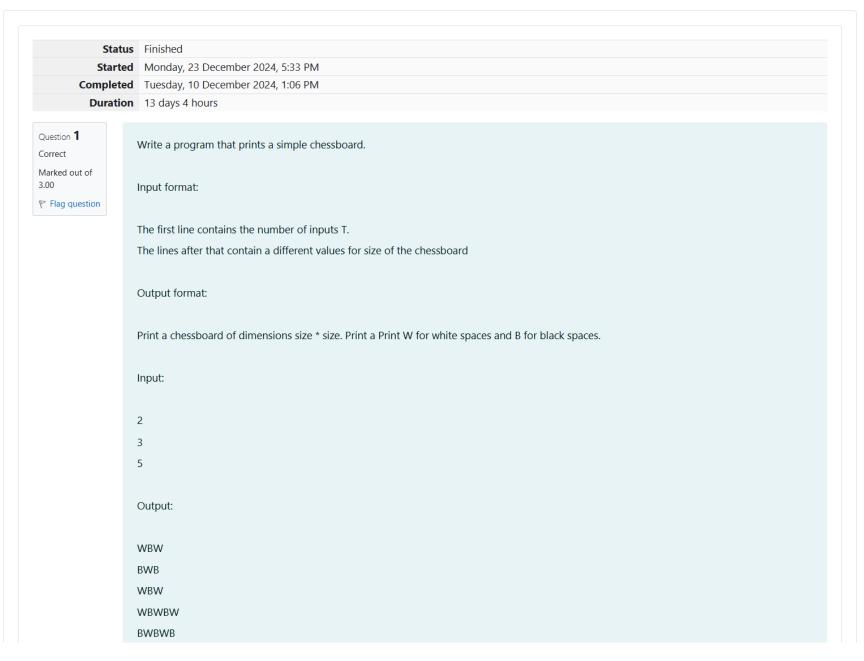
GE23131-Programming Using C-2024





WBWBW BWBWB WBWBW

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
  2 in 3 v {
     int main()
         int T,size;
scanf("%d",&T);
  4
  5
          while(T--)
  6
  7 ,
          scanf("%d",&size);
  8
  9
          for(int i=0;i<size;i++)</pre>
 10
          for(int j=0;j<size;j++)</pre>
 11
 12 🔻
         if((i+j)%2==0)
 13
 14
         printf("W");
 15
 16
 17
          else
 18 🔻
         printf("B");
 19
 20
 21
         printf("\n");
 22
 23
 24
 25
      return 0;
 26
 27
```

	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 Let's print a chessboard! Correct 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 %) 1 #include<stdio.h>

```
#include<stdio.h>
int main()

int T;
scanf("%d",&T);
while(T--)

int N;
char starchar;
```

```
scanf("%d %c",&N,&starchar);
char firstchar=starchar;
10
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 1
                 printf("%c",firstchar);
19
20
21
             else
22 1
                 printf("%c", secondchar);
23
24
25
             printf("\n");
26
27
28
29
      return 0;
30 }
```

IIIpu	Expected	GOL	
/ 2	WB	WB	~
2 W	BW	BW	
3 B	BWB	BWB	
	WBW	WBW	
	BWB	BWB	

Question ${\bf 3}$

Correct

Marked out of

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
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>
   2
      int main()
   3 ₹ {
   4
           int t,n,x,y,z=1,i,ans,c;
   5
           scanf("%d",&t);
   6
           while(z<=t)</pre>
   7
   8
              scanf("%d",&n);
   9
              printf("Case #%d\n",z);
  10
              y=1;
  11
              i=1;
  12
              c=0;
  13
              while(y<=n)
  14
  15
                   x=1;
  16
                   ans=(n*n);
  17
                   ans=ans-c;
  18
                   while(x <= 2*n)
  19
  20
                       if(x \le n)
  21
  22
                           if(x<y)</pre>
                           printf("**");
  23
  24
                           else if(x<=n)</pre>
  25
```

26

31

32

33 34

35

36

printf("%d",i*10);

printf("%d",(ans+y));

i++;

 $\{if((x+y)==(2*n+1))$

ans ++;

C ++;

else

```
else 1t(x+y<=(2^{*}n+1))
37
38 1
                      printf("%d",(ans+y)*10);
39
40
                      ans ++;
41
                      C ++;
42
43
44
                  x ++;
45
              y ++;
printf("\n");
46
47
48
              }
                 z ++;
49
50
51
52
```

	Input	Expected	Got	
~	3	Case #1	Case #1	~
	2	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