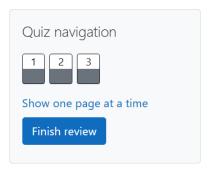
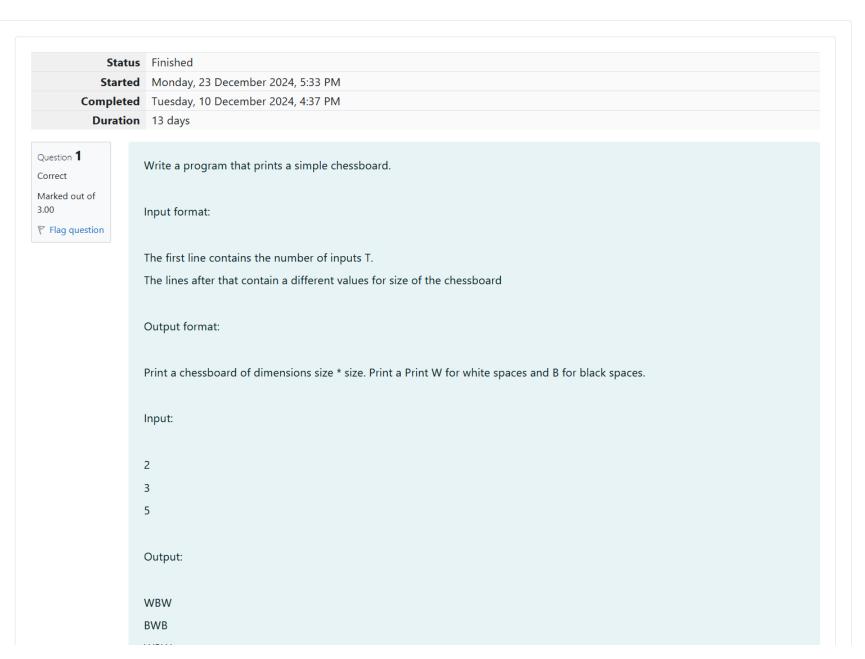
## GE23131-Programming Using C-2024





```
WBW
WBWBW
BWBWB
WBWBW
BWBWB
WBWBW
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
   2
      int main()
   3 ▼ {
          int T,size;
   4
          scanf("%d",&T);
   5
   6
           while(T--)
   7 ,
   8
              scanf("%d", &size);
              for(int i=0;i<size;i++)</pre>
   9
  10
  11
                  for(int j=0;j<size;j++)</pre>
  12
                      if((i+j)\%2==0)
  13
  14 1
                          printf("W");
  15
  16
  17
                      else
```

```
Input Expected Got

2 WBW WBW 
3 BWB BWB
5 WBW WBW
WBWBW WBWBW
BWBWB BWBWB
BWBWB BWBWB
```

18

19 20 21

22232425

26 27 printf("B");

printf("\n");

return 0;

 WBWBW
 WBWBW

 BWBWB
 BWBWBW

 WBWBW
 WBWBW

Passed all tests! ✓

**BWB** 

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 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

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2
   int main()
3 ▼ {
4
        int T;
5
        scanf("%d",&T);
6
        while(T--)
7 ,
8
            int N;
9
            char starchar;
            scanf("%d %c",&N,&starchar);
10
            char firstchar=starchar;
11
            char secondchar=(starchar=='B')?'W':'B';
12
            for(int i=0;i<N;i++)</pre>
13
14
15
                for(int j=0;j<N;j++)</pre>
16
                if((i+j)%2==0)
17
18
19
                   printf("%c",firstchar);
20
                else{
21 •
                   printf("%c", secondchar);
22
23
24
25
            printf("\n");
26
27
28
        return 0;
29
30
```

	Input	Expected	Got	
~	2	WB	WB	~
	2 W	BW	BW	
	3 B	BWB	BWB	
		WBW	WBW	
		BWB	BWB	

Passed all tests! ✓

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

Question **3** 

Flag question

Correct
Marked out of 7.00

```
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>
      int main()
   2
   3 ▼ {
          int t,n,x,y,z=1,i,ans,c;
   4
          scanf("%d",&t);
   5
          while(z<=t)</pre>
   6
   7 🔻
              scanf("%d",&n);
   8
   9
              printf("Case #%d\n",z);
```

10

y=1;

```
1=1;
11
            c=0;
12
            while(y<=n)</pre>
13
14
15
                 x=1;
                 ans=(n*n);
16
17
                 ans=ans-c;
                 while(x<=2*n)</pre>
18
19 ,
                     if(x<=n)</pre>
20
21
                         if(x<y)</pre>
22
                         printf("**");
23
                         else if(x<=n)</pre>
24
25
                             printf("%d",i*10);
26
27
                             i++;
28
                     }
29
30
                     else
31 ,
                         if((x+y)==(2*n+1))
32
33 1
34
                             printf("%d",(ans+y));
35
                             ans ++;
36
                             C ++;
37
                         else if(x+y <= (2*n+1))
38
39
40
                             printf("%d",(ans+y)*10);
41
                             ans ++;
42
                             C ++;
43
44
45
                     x ++;
46
47
                 y ++;
                 printf("\n");
48
49
50
            Z++;
51
52
```

	Input	Expected	Got	
<b>~</b>	3	Case #1	Case #1	~
	3	10203010011012	10203010011012	
	4	**4050809	**4050809	
	5	****607	****607	
		Case #2	Case #2	

1020204047040040020 4020204047040040020 \*\*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