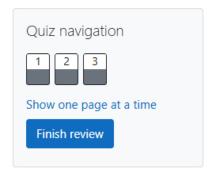
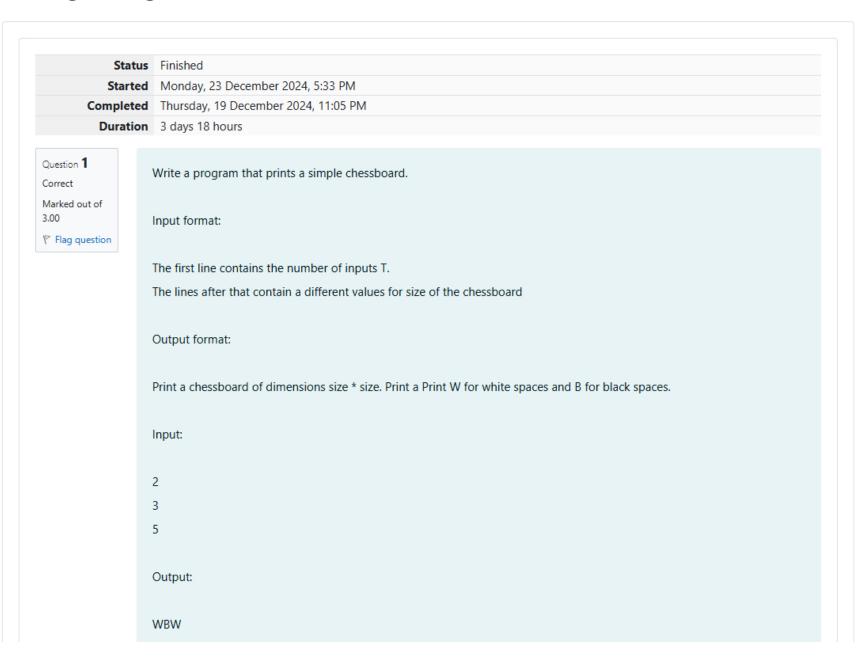
GE23131-Programming Using C-2024





BWB
WBW
WBWBWB
WBWBWB
BWBWB
WBWBWB

Answer: (penalty regime: 0 %)

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

WBWBW	WBWBW
BWBWB	BWBWB
WBWBW	WBWBW
BWBWB	BWBWB
WBWBW	WBWBW

Question 2 Correct Marked out of 5.00 Flag question Input:

Passed all tests! 🗸 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 2 2 W 3 B Output: WB BW D\A/D

WBW BWB

Answer: (penalty regime: 0 %)

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

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

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
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);
        while(z<=t)
6
7 ,
            scanf("%d",&n);
8
9
            printf("Case #%d\n",z);
10
            y=1;
11
            i=1;
12
            c=0;
            while(y<=n)
13
14
15
               x=1;
16
               ans=(n*n);
17
               ans=ans-c;
18
               while(x<=2*n)
19
20
                    if(x<=n)
21
                        if(x<y)
22
                        printf("**");
23
24
                        else if(x<=n)</pre>
25
                            printf("%d",i*10);
26
                            i++;
27
28
29
30
                    else
31
                        if((x+y)==(2*n+1))
32
33
                            printf("%d",(ans+y));
34
35
                            ans ++;
36
                            c ++;
37
38
                        else if (x+y<=(2*n+1))
39
                            printf("%d",(ans+y)*10);
40
41
                            ans ++;
42
                            C++;
43
44
45
                    X++;
46
47
               y ++;
               printf("\n");
48
49
50
            Z++;
51
52
        return 0;
```

	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 review