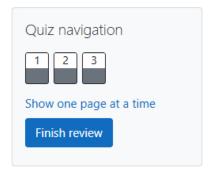
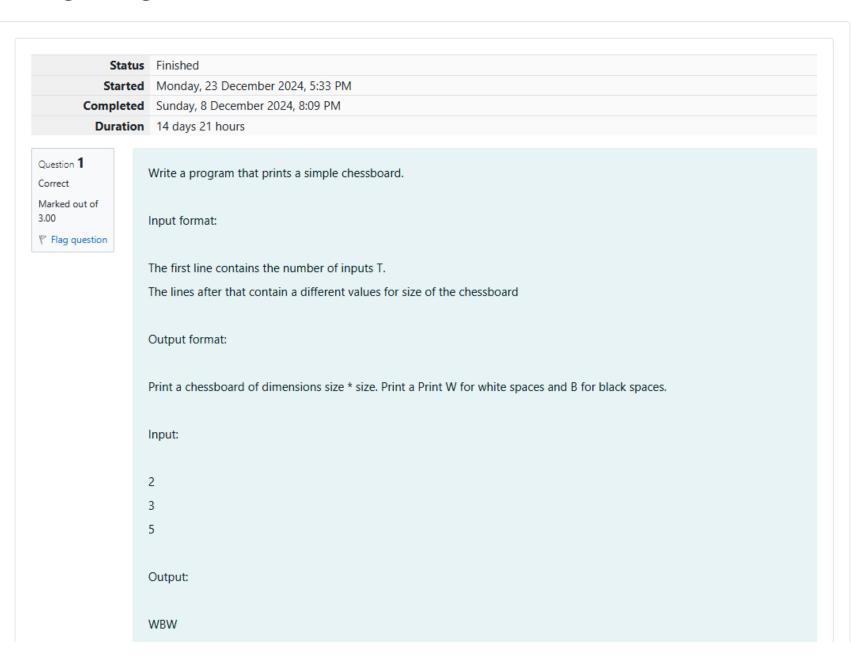
GE23131-Programming Using C-2024





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

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 Input: 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
        while(T--)
6
7 *
8
            int N;
            char starchar;
9
            scanf("%d %c",&N,&starchar);
10
11
            char firstchar=starchar;
            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 •
17
                    if((i+j)%2==0)
18 1
                        printf("%c",firstchar);
19
20
21
                    else
22
                        printf("%c",secondchar);
23
24
25
                 printf("\n");
26
27
28
29
        return 0;
30
31
```

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

Passed all tests! 🗸

Question $\bf 3$

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

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 %)

```
#include<stdio.h>
    int main()
2
3 √ {
4
        int t,n,x,y,z=1,i,ans,c;
 5
        scanf("%d",&t);
 6
        while(z<=t)
7 ,
            scanf("%d",&n);
8
            printf("Case #%d\n",z);
9
10
            y=1;
            i=1;
11
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
                    if(x<=n)
20
21 1
22
                        if(x<y)
23
24
                        printf("**");
25
                        else if(x<=n)</pre>
26
27
                            printf("%d",i*10);
28
29
                            i++;
30
31
32
                    else
33
34
                        if((x+y)==(2*n+1))
35
                            printf("%d",(ans+y));
36
37
                            ans++;
38
                            C++;
39
                        else if(x+y <= (2*n+1))
40
41
                        printf("%d",(ans+y)*10);
42
43
                        ans++;
44
                        C++;
45
46
47
48
                    X++;
49
50
                y++;
51
                printf("\n");
```

	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