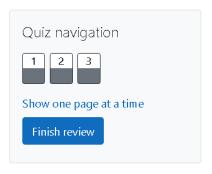
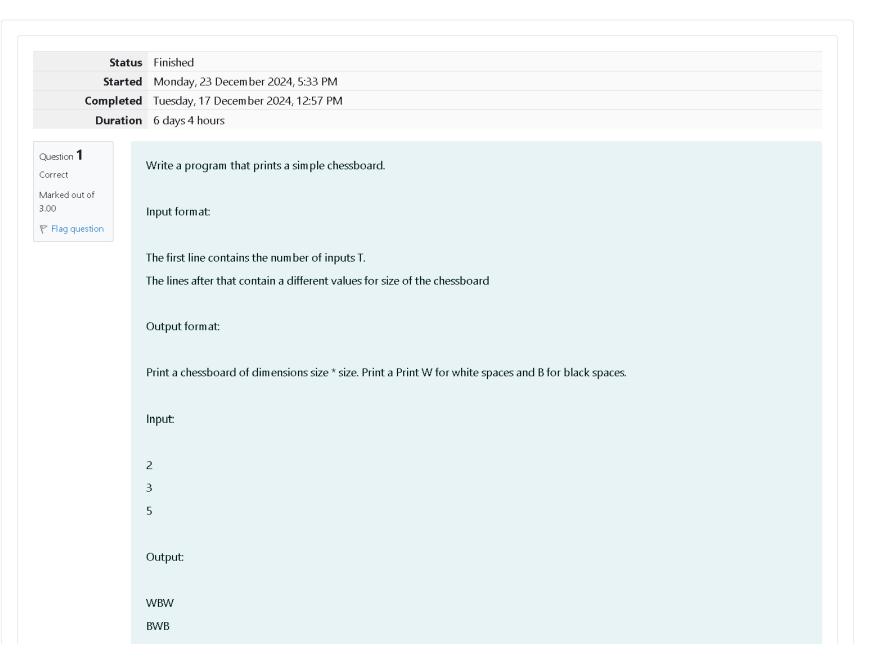
## GE23131-Programming Using C-2024





```
WBW
WBWBW
BWBWB
WBWBW
BWBWB
WBWBW
Answer: (penalty regime: 0 %)
    1 #include(stdio.h)
      int main()
   2
   3 ₹ {
   4
          int T,size;
          scanf("%d",&T);
    5
    6
          while(T--)
    7 +
              scanf("%d",&size);
    8
              for(int i=0;i<size;i++)</pre>
   9
   10 -
                  for(int j=0;j<size;j++)</pre>
   11
   12 -
   13
                      if((i+j)%2==0)
   14
                          printf("W");
   15
   16
   17
                      else
   18 -
                          printf("B");
   19
```

```
Input Expected Got

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

20 21

26 }

printf("\n");

return 0;

	BWBWB WBWBW	WBWBW WBWBW
Daccool all toot	el 🏑	

Question  ${f 2}$ 

Correct

Marked out of 5.00

Flag question

Passed all tests!   All tests in the second of the second
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 PM
BWB
WBW
BWB

## 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 s;
           scanf("%d %c",&N,&s);
10
11
           char first=s;
           char secondchar=(s=='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 +
                       printf("%c",first);
19
20
21
                   else
22 *
23
                       printf("%c", secondchar);
24
25
26
               printf("\n");
27
28
29
        return 0;
30 }
```

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

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

Correct
Marked out of
7.00

Flag question

```
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 ₹ {
          int t,n,x,y,z=1,i,ans,c;
          scanf("%d",&t);
   5
          while(z<=t)
   6
   7 *
              scanf("%d",&n);
   8
              printf("Case #%d\n",z);
   9
  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;
                while(x<=2*n)
18
19 1
20
                    if(x<=n)</pre>
21 1
                        if(x<y)</pre>
22
                        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 1
                            printf("%d",(ans+y));
34
35
                            ans++;
                            c++;
36
37
38
                        else if(x+y<=(2*n+1))
39 1
                            printf("%d",(ans+y)*10);
40
41
                            ans⊢;
42
                            c++;
43
44
45
                    x++;
46
47
                y++;
48
                printf("\n");
49
            }
            Z++;
50
51
52
        return 0;
```

Inpu
3 4 5

\*\*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