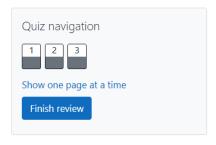
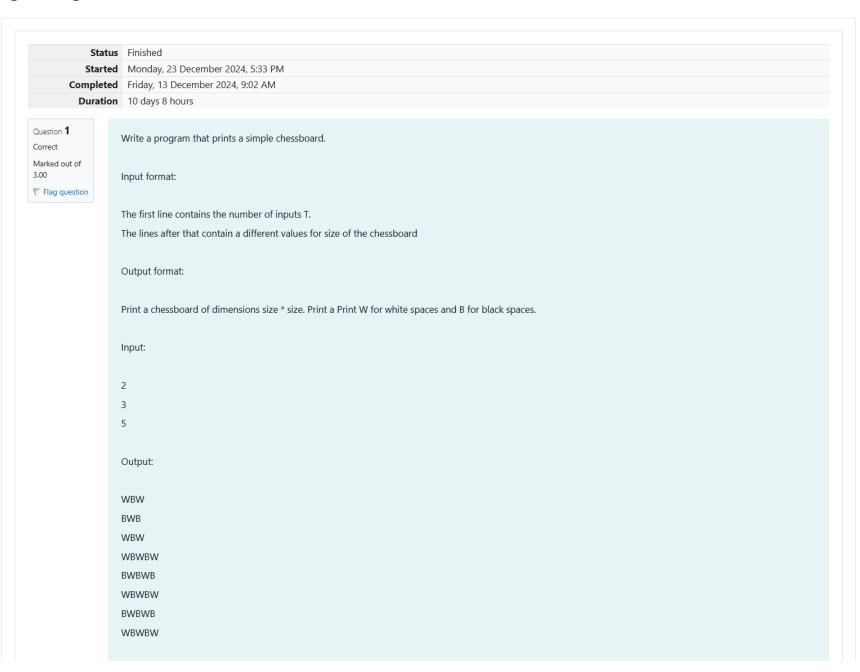
GE23131-Programming Using C-2024





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

	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
Passe	d all test	ts! 🗸		

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

A......

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>
2 v int main(){
 3
        int t;
        scanf("%d",&t);
 4
        while(t--)
5
 6 *
7
            int n;
 8
            char starchar;
9
            scanf("%d %c",&n,&starchar);
10
            char firstchar=starchar;
           char secondchar=(starchar=='B')?'W':'B';
11
            for(int i=0;i<n;i++)</pre>
12
13 ,
               for(int j=0;j<n;j++)</pre>
14
15 ,
16
                   if((i+j)%2==0)
17
18
               printf("%c",firstchar);
19
20
               else
21 1
               {
                   printf("%c",secondchar);
22
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	
		BWB	BWB	

Passed all tests! ✓

Question **3**Correct
Marked out of 7.00
F 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
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;
          scanf("%d",&t);
while(z<=t)</pre>
   5
   6
   7 🔻
   8
               scanf("%d",&n);
              printf("Case #%d\n",z);
   9
  10
               y=1;
  11
               i=1;
```

c-0.

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

	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