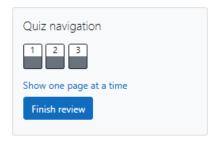
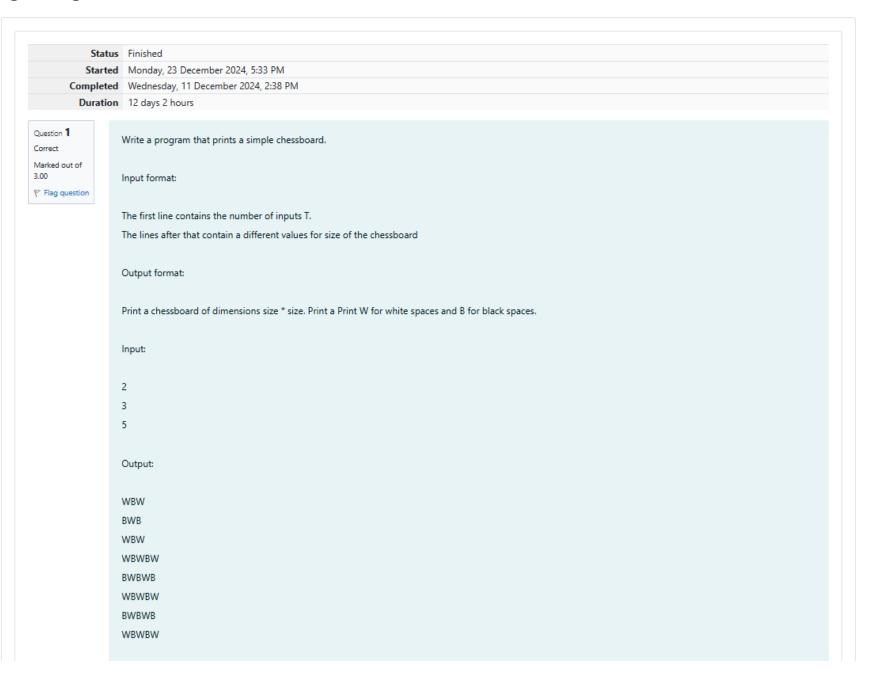
GE23131-Programming Using C-2024





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

	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BMBMB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	

Passed all tests! <

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
BWB
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
   2
      int main()
  3 √ {
         int t,d,i,j,k,o,z;
   4
   5
         char c,s;
   6
         scanf("%d",&t);
   7
          for(i=0;i<t;i++)
   8 ,
   9
          scanf("%d %c",&d,&s);
  10
            for(j=0;j<d;j++)
  11 ,
  12
                Z=(S=='W')?0:1;
  13
                0=(j%2==z)?0:1;
  14
                for(k=0;k<d;k++)
  15
  16
                c=(k%2==0)?'W':'B';
  17
                printf("%c",c);
  18
  19
                printf("\n");
  20
```

21 } 22 } 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

```
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;
 5
       scanf("%d",&t);
 6
        for(int x=1;x<=t;x++)</pre>
 7 ,
 8
           printf("Case #%d\n",x);
 9
            int n;
10
            scanf("%d",&n);
11
            int f=1,b=n*(n+1);
12
            for(int i=0;i<n;i++)</pre>
13
               for(int k=0;k<2*i;k++)
14
15
16
               printf("*");
17
               printf("%d",f);
18
19
               f++;
20
               for(int j=2;j<=n-i;j++)</pre>
21
                  printf("0%d",f);
22
23
               f++;
24
25
               for(int l=b-(n-i)+1;l<=b;l++)</pre>
26 •
```

```
27 | printf("0%d",1);
28 | }
29 | b-=n-i;
30 | printf("\n");
31 | }
32 | }
33 | return 0;
35 | }
```

	Input	Expected	Got	
~	3	Case #1	Case #1	V
	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