

Status	Finished
Started	Thursday, 30 October 2025, 6:29 PM
Completed	Thursday, 30 October 2025, 6:51 PM
Duration	21 mins 29 secs

Question 1

Correct

Write a program that prints a simple chessboard.

Input format:

The first line contains the number of inputs T.

The lines after that contain different values for size of the chessboard

Output format:

Print a chessboard of dimensions size * size. Print a W for white spaces and B for black spaces.

Input:

2
3
5

Output:

WBW
BWB
WBW
WBWBW
BWBWB
WBWBW
BWBWB
WBWBW

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,size,i,j,count;
5     scanf("%d",&n);
6     while(n--)
7     {
8         scanf("%d",&size);
9         count=0;
10        for(i=0;i<size;i++)
11        {
12            for(j=0;j<size;j++)
13            {
14                if(++count%2==1)
15                    printf("W");
```

```
16  
17     else  
18         printf("B");  
19     }  
20     if(size%2==0)  
21         count++;  
22         printf("\n");  
23     }  
24 }
```

[]

	Input	Expected	Got	
✓	2	WBW	WBW	✓
	3	BWB	BWB	
	5	WBW WBWBW BWBWB WBWBW BWBWB WBWBW	WBW WBWBW BWBWB WBWBW BWBWB WBWBW	

//

Passed all tests! ✓

Question 2

Correct

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 {
4     int t,n;
5     char start;
6     scanf("%d",&t);
7     while(t--)
8     {
9         scanf("%d %c",&n,&start);
10        for(int i=0;i<n;i++)
11        {
12            for(int j=0;j<n;j++)
13            {
14                if((i+j)%2==0)
15                    printf("%c",start);
16                else
17                    printf("%c",start);
18            }
19        }
20    }
21 }
```

```
17
18     }
19     printf("\n");
20 }
21 }
22 return 0;
23 }
```

[]

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

Passed all tests! ✓

//

Question 3

Correct

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

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 {
4     int n, row, col, opprow, oppnum, t, counter=0, num;
5     int i, s;
6     scanf("%d", &t);
7     while(t--)
8     {
9         s=0;
10        scanf("%d", &n);
11        num=1;
12        opprow=n*n+1;
13        printf("Case #%-d\n", ++counter);
14        for(row=n; row>=1; row--, opprow=opprow-row)
15        {
16            for(i=0; i<s; i++)
17                printf("**");
18            s++;
19            for(col=1; col<=row; col++)
20                printf("%d0", num++);
21            oppnum=opprow;
22            for(col=1; col<row; col++)
23                printf("%d0", oppnum++);
24                printf("%d\n", oppnum++);
25        }
26    }
27    return 0;
28 }
```



	Input	Expected	Got	
✓	3	Case #1	Case #1	✓
	3	10203010011012	10203010011012	
		**4050809	**4050809	

	Input	Expected	Got	
	4	****607	****607	
	5	Case #2 1020304017018019020 **50607014015016 ****809012013 *****10011 Case #3 102030405026027028029030 **6070809022023024025 ****10011012019020021 *****13014017018 *****15016	Case #2 1020304017018019020 **50607014015016 ****809012013 *****10011 Case #3 102030405026027028029030 **6070809022023024025 ****10011012019020021 *****13014017018 *****15016	

Passed all tests! 