Status	Finished
Started	Thursday, 30 October 2025, 6:31 PM
Completed	Thursday, 30 October 2025, 7:04 PM
Duration	32 mins 26 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 a different values for size of the chessboard

Output format:

Print a chessboard of dimensions size * size. Print a Print 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 %)

```c
#include<stdio.h>
int main()
{
    int n,size,i,j,count;
    scanf("%d",&n);
    while(n--)
    {
        scanf("%d",&size);
        count=0;
        for(i=0;i<size;i++)
        {
            for(j=0;j<size;j++)
            {
                if(++count%2==1)
                printf("W");
```

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

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

```c
#include<stdio.h>
int main()
{
    int T;
    scanf("%d",&T);
    while(T--)
    {
    int N;
    char start;
    scanf("%d %c",&N,&start);
    for(int i=0;i<N;i++)
     {
        for(int j=0;j<N;j++)
        {
            if((i+j)%2==0)
            printf("%c",start);
```

```
17                else
18                    printf("%c",(start=='W')?'B':'W');
19            }
20            printf("\n");
21        }
22    }
23    return 0;
24 }
```

	Input	Expected	Got	
✓	2 2 W 3 B	WB BW BWB WBW BWB	WB BW BWB WBW 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
10203040170180190 20
**50607014015016
****809012013
******10011
Case #3
1020304050260270280290 30
**6070809022023024025
****10011012019020021
******13014017018
********15016

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int n,row,col,opprow,oppnum,t,counter=0,num;
    int i,s;
    scanf("%d",&t);
    while(t--)
    {
        s=0;
        scanf("%d",&n);
        num=1;
        opprow=n*n+1;
        printf("Case #%d\n",++counter);
        for(row=n;row>=1;row--,opprow=opprow-row)
        {
            for(i=0;i<s;i++)
            printf("**");
            s++;
            for(col=1;col<=row;col++)
            printf("%d0",num++);
            oppnum=opprow;
            for(col=1;col<row;col++)
            printf("%d0",oppnum++);
            printf("%d\n",oppnum++);

        }
    }
    return 0;
}
```

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

	Input	Expected	Got	
	4 5	**4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #3 10203040502602702802 9030 **6070809022023024025 ****10011012019020021 ******13014017018 ********15016	**4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #3 10203040502602702802 9030 **6070809022023024025 ****10011012019020021 ******13014017018 ********15016	

Passed all tests!