

<b>Status</b>	Finished
<b>Started</b>	Thursday, 30 October 2025, 7:17 PM
<b>Completed</b>	Thursday, 30 October 2025, 8:02 PM
<b>Duration</b>	44 mins 56 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 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     int T;
4     scanf("%d",&T);
5     while(T--){
6         int i,j,size;
7         scanf("%d",&size);
8         for(i=0;i<size;i++){
9             for(j=0;j<size;j++){
10                 if((i+j)%2==0)
11                     printf("W");
12                 else{
13                     printf("B");
14                 }
15             }
}
```

```
16 }           printf("\n");
17 }       }
18 }   return 0;
19 }
20 }
```

[ ]

	<b>Input</b>	<b>Expected</b>	<b>Got</b>	
✓	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     int T,t,i,j,N;
4     char start,alt;
5     scanf("%d",&T);
6     for(t=0;t<T;t++){
7         scanf("%d %c",&N,&start);
8         alt=(start=='W')?'B':'W';
9         for(i=0;i<N;i++){
10            for(j=0;j<N;j++){
11                if((i+j)%2==0)
12                    printf("%c",start);
13                else
14                    printf("%c",alt);
15            }
16        printf("\n");
17    }
```

```
17 }  
18 }  
19     return 0;  
20 }
```

[ ]

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

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

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

Passed all tests! 