

Status	Finished
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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 %)

```
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 | }
19 |     return 0;
20 | }
```



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

$2 \leq N \leq 100$

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 3	Case #1 10203010011012 **4050809	Case #1 10203010011012 **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! 