

Status	Finished
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Question **1**

Correct

Marked out of
3.00

 [Flag question](#)

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, d, i=0, a, b, o;
4     char c;
5     scanf("%d", &T);
6     while(i<T){
7         scanf("%d", &d);
8         a = 0;
9         while(a<d){
10             o=1;
11             b = 0;
12             if(a%2 == 0){
13                 o = 0;
14             }
15             while(b<d){
16                 c = 'B';
17                 if(b%2 == o){
18                     c = 'W';
19                 }printf("%c", c);
20                 b++;
21             }
22             a+=1;
23             printf("\n");
24         }
25         i+=1;
26     }
27     return 0;
28 }
```

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

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, a, b, o, z;
4     char c, s;
5     scanf("%d", &T);
6     for(i=0; i<T; i++){
7         scanf("%d %c", &d, &s);
8         for(a=0; a<d; a++){
9             z=(s == 'W') ? 0:1;
10            o=(a%2==z) ? 0:1;
11            for(b=0; b<d; b++){
12                c=(b%2==o) ? 'W':'B';
13                printf("%c", c);
14            }
15            printf("\n");
16        }
17    }
18    return 0;
19 }
```

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

Passed all tests! ✓

Question **3**

Correct

Marked out of
7.00

 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

$2 \leq N \leq 100$

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, v, p, c, in, i, a, b, t, ti;
4      scanf("%d", &t);
5      for(ti=0;ti<t;ti++){
6          v=0;
7          scanf("%d", &n);
8          printf("Case #%d\n", ti+1);
9          for(i=0;i<n;i++){
10             c=0;
11             if(i>0){
12                 for(a=0;a<i;a++) printf("***");
13             }
14             for(a=i;a<n;a++){
15                 if(i>0) c++;
16                 printf("%d0", ++v);
17             }
18             if(i==0)
19             {
20                 p=v+(v*(v-1))+1;
21                 in=p;
22             }
23             in=in-c;
24             p=in;
25             for(b=i;b<n;b++){
26                 printf("%d", p++);
27                 if(b!=n-1)
28                     printf("0");
29             }printf("\n");
30         }
31     }
32 }
```

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