

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 {
4     int v;
5     scanf("%d",&v);
6     while(v>0)
7     {
8         int x;
9         scanf("%d",&x);
10        if(x<0)
11        {
12            x=-x;
13        }
14        char a='W';
15        for(int i=0;i<x;i++)
16        {
17            for(int j=0;j<x;j++)
18            {
19                printf("%c",a);
20                if(a=='W')
21                    a='B';
22                else
23                    a='W';
24            }
25            printf("\n");
26            if(x%2==0)
27            {
28                if(a=='W')
29                    a='B';
30                else
31                    a='W';
32            }
33        }
34        v--;
35    }
36 }
37 }
```

|   | 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

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 {
4     int T,d,i,i1,i2,o,z;
5     char c,s;
6     scanf("%d",&T);
7     for(i=0;i<T;i++)
8     {
9         scanf("%d %c",&d,&s);
10        for(i1=0;i1<d;i1++)
11        {
12            z=(s=='W')?0:1;
13            o=(i1%2==z)?0:1;
14            for(i2=0;i2<d;i2++)
15            {
16                c=(i2%2==o)?'W'
17                printf("%c",c);
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

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 {
4     int v,c=0;
5     scanf("%d",&v);
6     while(v!=0)
7     {
8         c++;
9         int a;
10        scanf("%d",&a);
11        int s1=10,s2=(a*a*10)+1
12        printf("Case #d\n",c);
13        for(int i=0;i<a;i++)
14        {
15            for(int j=0;j<i;j++)
16            {
17                printf("***");
18            }
19            for(int j=0;j<a-i;j)
20            {
21                printf("%d",s1);
22                s1+=10;
23            }
24            for(int j=0;j<a-i;j++)
25            {
26                if((j+1)==(a-i))
27                {
28                    printf("%d",((s2+(j
29                }
30                else
31                {
32                    printf("%d",((s2+(j
33                }
34            }
35            s2--=(a-i)*10;
36            s2+=10;
37            printf("\n");
38        }
39        v--;
40    }
41 }

```

|   | Input | Expected                 | Gc |
|---|-------|--------------------------|----|
| ✓ | 3     | Case #1                  | Ca |
|   | 3     | 10203010011012           | 10 |
|   | 4     | **4050809                | ** |
|   | 5     | ****607                  | ** |
|   |       | Case #2                  | Ca |
|   |       | 1020304017018019020      | 10 |
|   |       | **50607014015016         | ** |
|   |       | ****809012013            | ** |
|   |       | *****10011               | ** |
|   |       | Case #3                  | Ca |
|   |       | 102030405026027028029030 | 10 |
|   |       | **6070809022023024025    | ** |
|   |       | ****10011012019020021    | ** |
|   |       | *****13014017018         | ** |
|   |       | *****15016               | ** |

Passed all tests! ✓