REC-CIS

GE23131-Programming Using C-2024

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Tuesday, 26 November 2024, 9:20 AM
Duration	27 days 8 hours

Question **1**

Correct

Marked out of 3.00

Flag question

Question text

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 %)

```
#include<stdio.h>
int main(){
    int T,d,i1,i2,o,z,i;
    char c,s;
    scanf("%d",&T);
    for(i=0;i<T;i++)
    {
        scanf("%d %c ",&d,&s);
        for(i1=0;i1<d;i1++)
        {
            z=(s=='W') ? 0:1;
            o=(i1%2==z) ? 0:1;
            for (i2=0;i2<d;i2++)
            {
                c=(i2%2==o) ? 'W':'B';
                printf("%c",c);
            }
            printf("\n");
```

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

Passed all tests! ✓

Feedback

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

Question text

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
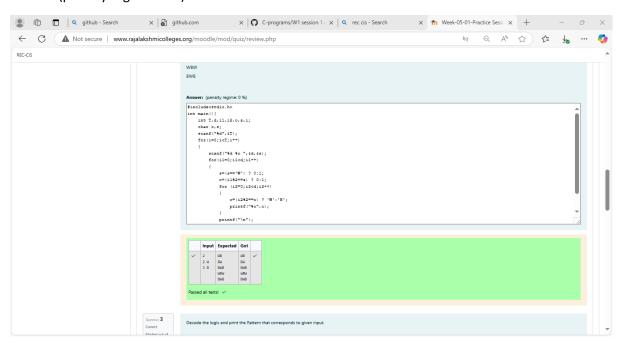
Sample Input / Output

Input:

2

2 W

3 B

Output:

WB

BW

BWB

WBW

BWB

Answer:(penalty regime: 0 %)

Feedback

Input	Expected	Got	
2	WB	WB	
2 W	BW	BW	

Input	Expected	Got
3 B	BWB	BWB
	WBW	WBW
	BWB	BWB

Passed all tests!

Question **3**

Correct

Marked out of 7.00

Flag question

Question text

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

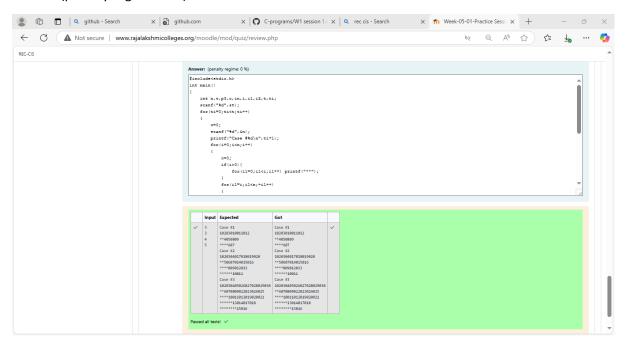****809012013

******10011

Case #3

102030405026027028029030

**6070809022023024025

****10011012019020021

******13014017018

********15016

Answer:(penalty regime: 0 %)

Feedback

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	

Input	Expected	Got	
	******10011	******10011	
	Case #3	Case #3	
	10203040502602702802903 0	10203040502602702802903 0	
	**6070809022023024025	**6070809022023024025	
	****10011012019020021	****10011012019020021	
	******13014017018	******13014017018	
	********15016	********15016	

Passed all tests!

Blocks

Blocks