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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 %)

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 %)

WBW
BWB

Answers: (penalty regime: 0 %)

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

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

Passed all tests! ✓

Question 3
Correct
Marked out of 1.00

Decode the logic and print the Pattern that corresponds to given input.

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

$2 \leq N \leq 100$

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

*****15016

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Week-05-01-Ractice Session

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REC-05

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int n,v,g2,c,ss,s,i1,i2,e,ti;
    scanf("%d",&t);
    for(ti=0;ti<t;ti++)
    {
        v=0;
        scanf("%d",&n);
        printf("Case %d\n",n);
        for(i1=0;i1<n;i1++)
        {
            c=0;
            if(i1>0){
                for(i2=0;i2<i1;i2++) printf(" ");
            }
            for(s1=0;s1<n;s1++)
            {

```

	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 Case #3 102030405026027028029030 **6070809022023024025 ****10011012019020021 *****13014017018 *****15016	*****10011 Case #3 102030405026027028029030 **6070809022023024025 ****10011012019020021 *****13014017018 *****15016	

Passed all tests!

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