

Week 05-01-Practice Session-Coding: Attempt review | REC-CIS - Google Chrome

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GE23131-Programming Using C-2024

Quiz navigation

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Show one page at a time

Finish review

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Friday, 20 December 2024, 8:40 AM
Duration	3 days 8 hours

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:

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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     for(int t=0;t<T;t++)
```

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```
2 int main(){
3     int T;
4     scanf("%d",&T);
5     for(int t=0;t<T;t++)
6     {
7         int size;
8         scanf("%d",&size);
9         for (int i=0;i<size;i++)
10        {
11            for(int j=0;j<size;j++)
12            {
13                if((i+j)%2==0){
14                    printf("W");
15                }else{
16                    printf("B");
17                }
18            }
19            printf("\n");
20        }
21    }
22    return 0;
23 }
```

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

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✓	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

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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;
4     scanf("%d",&T);
5     for(int t=0;t<T;t++){
```

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```
2 int main(){
3     int T;
4     scanf("%d",&T);
5     for(int t=0;t<T;t++){
6         int N;
7         char start;
8         scanf("%d %c",&N,&start);
9         char alt=(start=='W')?'B':'W';
10        for(int i=0;i<N;i++){
11            for (int j=0;j<N;j++){
12                if((i+j)%2==0){
13                    printf("%c",start);
14                }else{
15                    printf("%c",alt);
16                }
17            }
18            printf("\n");
19        }
20    }
21    return 0;
22 }
```

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

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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

$2 \leq N \leq 100$

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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

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Output

Case #1

10203010011012

**4050809

****607

Case #2

1020304017018019020

**50607014015016

****809012013

*****10011

Case #3

102030405026027028029030

**6070809022023024025

****10011012019020021

*****13014017018

*****15016

Answer: (penalty regime: 0 %)

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Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int n,v,p,c,in,i,i1,i2,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 (i1=0;i1<i;i1++)printf("***");
13             }
14             for(i1=i;i1<n;i1++){
15                 if(i>0)c++;
16                 printf("%d0",++v);
17             }
18             if(i==0){
19                 p=v+(v*(v-1))*1;
20                 in=p;
21             }
22             in=in-c;
23             p=in;
24             for(i2=i;i2<n;i2++){
25                 printf("%d",p++);
26                 if(i2!=n-1)printf("0");
27             }
28             printf("\n");
29         }
30     }
31 }
32 }
```

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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! ✓

Finish review