

GE23131-Programming Using C-2025

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Question 1

Correct

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

	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

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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,n;
4     char st;
5     scanf("%d",&t);
6     int tile =0;
7
8     while(t--){
9         scanf("%d %c",&n,&st);
10        if(st=='B'){
11            {
12                tile=1;
13            }
14        }
15        for(int i=0;i<n;i++){
16            for(int j=0;j<n;j++){
17                if((i+j+tile)%2==0){
18                    printf("W");
19                }else{
20                    printf("B");
21                }
22            }
23            printf("\n");
24        }
25    }
26    return 0;
27 }
28 }
29 }
```

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

Passed all tests! ✔

Question 3

Correct

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question

Problem Statement:

In a small coding competition, participants are to be grouped into teams of three members, each member represented by a number — 1, 2, and 3.

The rule of the competition states that no member can repeat within the same team.

Write a program to display all possible unique team combinations that can be formed using the members 1, 2, and 3 without repetition.

Sample Output:

1 2 3
1 3 2
2 1 3
2 3 1
3 1 2
3 2 1

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int members=3;
4     for(int i=1;i<=members;i++){
5         for(int j=1;j<=members;j++){
6             for(int k=1;k<=members;k++){
7
8                 if(i==j||j==k||i==k){
9                     continue;
10                }else{
11                    printf("%d %d %d\n",i,j,k);
12                }
13            }
14        }
15    }
16    return 0;
17 }
18 }
19 }
20 }
21 }
```

	Expected	Got	
✔	1 2 3	1 2 3	✔
	1 3 2	1 3 2	
	2 1 3	2 1 3	
	2 3 1	2 3 1	
	3 1 2	3 1 2	
	3 2 1	3 2 1	

Passed all tests! ✔