

# GE23131-Programming Using C-2025

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Status	Finished
Started	Friday, 31 October 2025, 12:36 PM
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Question 1

Correct

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Write a program that prints a simple chessboard.

Input format:

The first line contains the number of inputs T.

The lines after that contain different values for size of the chessboard

Output format:

Print a chessboard of dimensions size \* size. Print a 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 }
```

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

Passed all tests! ☺

Question 2

Correct

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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 }
```

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

Passed all tests! ☺

Question 3

Correct

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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
6         for(int j=1;j<=members;j++){
7
8             for(int k=1;k<=members;k++){
9
10                 if(i==j||j==k||i==k){
11                     continue;
12                 }else{
13                     printf("%d %d %d\n",i,j,k);
14                 }
15             }
16         }
17     }
18     return 0;
19 }
```

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

Passed all tests! ☺

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