GE23131-Programming Using C-2024

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Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Friday, 6 December 2024, 1:11 PM
Duration	17 days 4 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:

2
3
5

Output:

WBW
BWB
WBW
WBWBW
BWBWB
WBWBW
BWBWB
WBWBW

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main(){
    int t ,size,i,j;
    scanf("%d",&t);
    while(t--){
        scanf("%d",&size);
        for(i=0;i<size;i++){
            for(j=0;j<size;j++){
                if((i + j)%2 == 0){
                    printf("W");
                }else{
                    printf("B");
                }
            }
            printf("\n");
        }
    }
    return 0;
}
```

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

Passed all tests! ✓

Question **2**
Correct
Marked out of 3.00
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

Sample Input / Output

Input:

2
2 W
3 B

Output:

WB
BW
BWB
WBW
BWB

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main(){
    int T,N,i,j;
    char start;
    scanf("%d",&T);
    while(T--){
        scanf("%d %c",&N,&start);
        for (i = 0;i < N;i++){
            for(j = 0;j < N;j++){
                printf("%c",(i+j)%2 == 0?start:(start == 'w'?'B':'
            }
            printf("\n");
        }
    }
    return 0;
}
```

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

Passed all tests! ✓

Question **3**
Incorrect
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 :

1020301001101 2
**4050809
****607

If N= 4, then pattern will be:

102030401701801902 0
**5060701401501 6
****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
1020301001101 2
**4050809
****607
Case #2
102030401701801902 0
**5060701401501 6
****809012013
******10011
Case #3
102030405026027028029030
**607080902202302402 5
****10010203020021
******13054017018
********15016

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main(){
    int n,v,P3,c,in,i,i1,i2,t,ti;
    scanf("%d",&t);
    for(ti = 0;ti<t;ti++){
        v = 0;
        scanf("%d",&n);
        printf("Case#%d\n")
    }
}
```

Syntax Error(s)

```
__tester__.c: In function 'main':
__tester__.c:8:23: error: format '%d' expects a matching 'int' argument [-Wf
  8 |         printf("Case#%d\n")
    |                       ~^
    |                        |
    |                        int
__tester__.c:8:28: error: expected ';' before '}' token
  8 |         printf("Case#%d\n")
    |                            ^
    |                            ;
  9 |     }
    |     ~
__tester__.c:26: error: unused variable 'i2' [-Werror=unused-variable]
  3 |     int n,v,P3,c,in,i,i1,i2,t,ti;
    |                     ~~
__tester__.c:23: error: unused variable 'i1' [-Werror=unused-variable]
  3 |     int n,v,P3,c,in,i,i1,i2,t,ti;
    |                     ~~
__tester__.c:23: error: unused variable 'i' [-Werror=unused-variable]
  3 |     int n,v,P3,c,in,i,i1,i2,t,ti;
    |                     ~
__tester__.c:23: error: unused variable 'in' [-Werror=unused-variable]
  3 |     int n,v,P3,c,in,i,i1,i2,t,ti;
    |                     ~~
__tester__.c:23: error: unused variable 'c' [-Werror=unused-variable]
  3 |     int n,v,P3,c,in,i,i1,i2,t,ti;
    |                     ~
__tester__.c:23: error: unused variable 'P3' [-Werror=unused-variable]
  3 |     int n,v,P3,c,in,i,i1,i2,t,ti;
    |                     ~~
__tester__.c:1:11: error: variable '^' set but not used [-Werror=unused-but
  3 |     int n,v,P3,c,in,i,i1,i2,t,ti;
    |                     ^~
<ck: all warnings being treated as errors>
```

Finish review