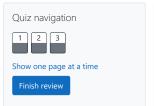
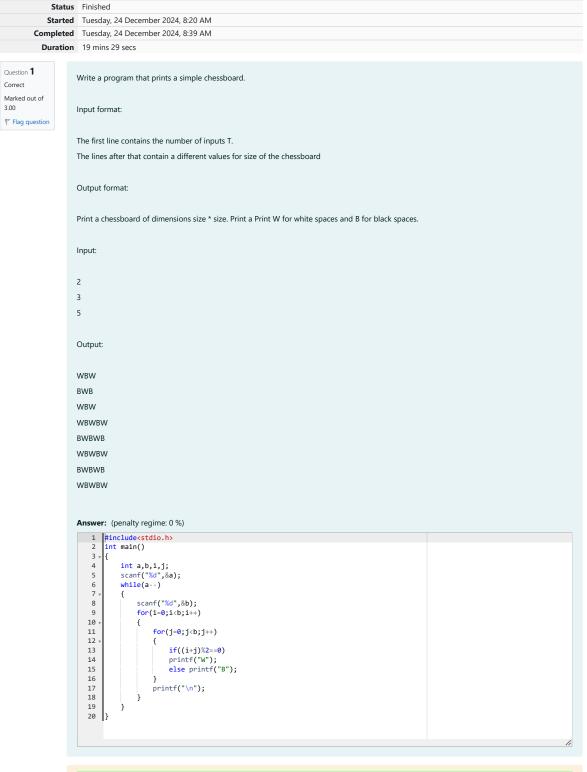
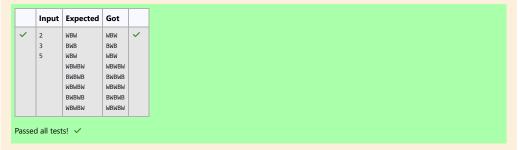
GE23131-Programming Using C-2024

Question 1

Correct







Question 2 Correct Marked out of 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 %)

Passed all tests! ✓

Question **3**Correct
Marked out of 7.00

F 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 <= 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
10203010011012
**4050809
****607
Case #2
1020304017018019020
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
*****13014017018
******15016
Answer: (penalty regime: 0 %)
   1 #include<stdio.h>
2 int main()
```

```
3
                 int a,b,c,d,e,f,i,j,k,n;
scanf("%d",&a);
for(b=0;b<a;b++)</pre>
                         c=0;
scanf("%d",&n);
printf("Case #%d\n",b+1);
f(i=0;i<n;i++)</pre>
 10
11
12
                                 d=0;
if(i>0)
{
    for(j=0;j<i;j++)
    printf("**");</pre>
13
14
15
16
17
18
19
20
                                  for(j=i;j<n;j++)</pre>
21
22
                                        if(i>0)
                                        d++;
printf("%d0",++c);
23
24
25
26
27
28
                                  if(i==0)
                                         e=c+(c*(c-1))+1;f=e;
29
30
31 v
32
33
34
35
36
37 }
                                  f=f-d;e=f;
                                  for(k=i;k<n;k++)</pre>
                                 f
    printf("%d",e++);
    if(k!=n-1)printf("0");
}printf("\n");
```

	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

Passed all tests! 🗸