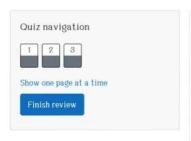
GE23131-Programming Using C-2024

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WBWBW WBWBW BWBWB BWBWB WBWBW WBWBW

Passed all tests! 🗸

Ouestion 2
Correct
Marked out of 5.00
Fring 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>
     int main(){
           int t;
scanf("%d",&t);
 3
           while(t--)
 6 .
                 int n;char opp,ch;
scanf("%d %c",&n, &ch);
for(int i=0;i<n;i++)</pre>
10
                      for(int j=0;j<n;j++)
11
12
13
14
                                opp=(ch=='W')?'B':'W'
if((i+j)%2==0){
printf("%c",ch);
15
16
17
18
19
                            else
                           printf("%c",opp);
20
21
22
                      printf("\n");
23
24
           }return 0;
25
```

```
Input Expected Got

2 WB WB 
2 W BW BW
3 B BWB BWB
WBW WBW
BWB BWB

Passed all tests!
```

Question 3 Decode the logic and print the Pattern that corresponds to given input. Marked out of 7.00 If N= 3 Flag question 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 %)
      |#include<stdio.h>
   2 * int main(){
   3
         int n;
scanf("%d",&n);
   4
   5 .
         for( int i=1;i<=n;i++){
   6
             int a;
   7
             scanf("%d",&a);
   8
             int l=1,s=a,t=(a*(a+1))-a+1;
             printf("Case #%d\n",i);
   9
  10 .
             for(int j=0; j<a; j++){
  11
                 int k=2*j,t1=t;
  12 +
                 while(k>0){
  13
                      printf("%c",'*');
  14
                      k=1;
  15
  16 +
                 for(int p=0;p<s;p++){
  17
                      printf("%d",1);
  18
                      1+=1;
  19
                     printf("%d",0);
  20
  21 .
                 for(int q=0;q<s;q++){
  22
                      printf("%d",t1);
  23
                      t1+=1;
  24 .
                      if(q==(s-1)){
  25
                          break;
  26
  27
                      printf("%d",0);
  28
                 }
  29
                 s-=1;
                 t-=s;
  30
  31
                 printf("\n");
  32
             }
  33
  34
         return 0;
  35
```

	Input	Expected	Got
~	3	Case #1	Case #1
	3	10203010011012	102030100110
	4	**4050809	**4050809
	5	****607	****607
		Case #2	Case #2
		1020304017018019020	102030401701
		**50607014015016	**5060701401
		****809012013	****80901201
		*****10011	******10011
		Case #3	Case #3
		102030405026027028029030	102030405026
		**6070809022023024025	**6070809022
		****10011012019020021	****10011012
		*****13014017018	******130140
		******15016	*******1501