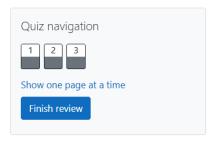
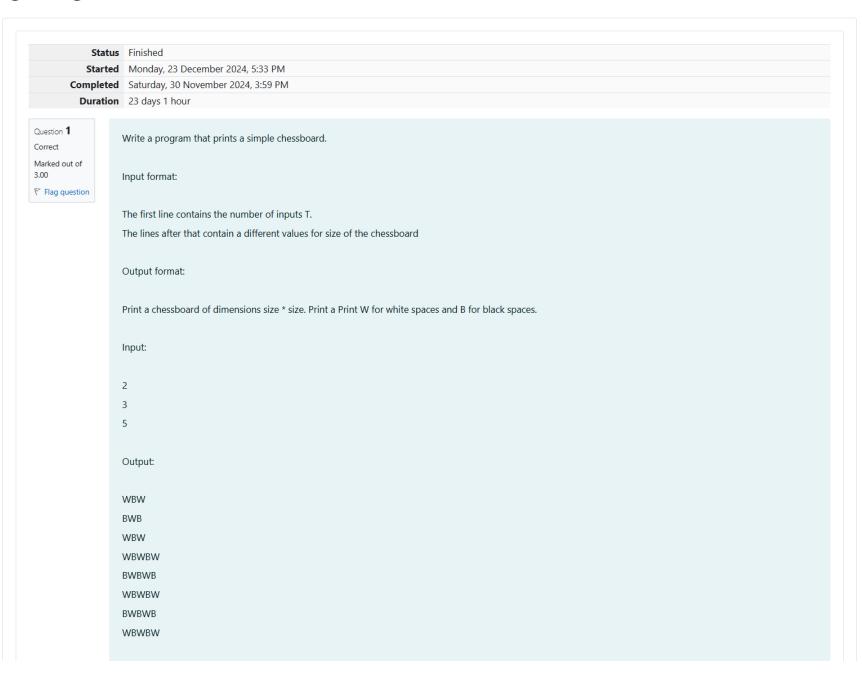
GE23131-Programming Using C-2024

MUTHURAM 240901062





```
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Answer: (penalty regime: 0 %)
  1 #include<stdio.h>
  2 int main()
  3 ₹ {
  4 int n, size, i, j, count;
  5 scanf("%d",&n);
  6 while(n--)
  7 ▼ {
  8 scanf("%d",&size);
  9 count =0;
  10 for(i=0;i<size;i++)</pre>
  11 - {
  12 for(j=0;j<size;j++)
  13 ▼ {
  14 if(++count%2==1)
  15 printf("W");
  16 else
  17 printf("B");
  18 }
  19 if(size%2==0)
  20 count++;
  21 printf("\n");
  22 }
  23 }
```

	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! <

24 }

Question 2
Correct
Marked out of 5.00

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

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Sample Input / Output

Input:

2
2 W
3 B
Output:

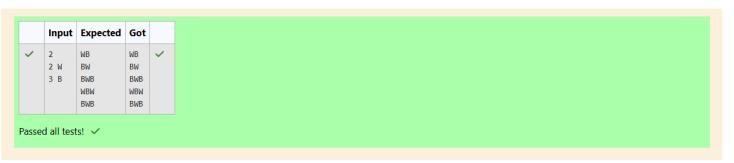
WB
BW
BWB
WBW

Answer: (penalty regime: 0 %)

BWB

```
1 #include<stdio.h>
 2 int main()
 3 ₹ {
       int i,j,t,n;
 4
 5
        char start, other;
        scanf("%d",&t);
 6
        while(t--)
 7
 8 *
9
            scanf("%d %c",&n,&start);
           if(start=='W'||start=='W')
10
11 •
12
               other='B';
13
14
            else
15
16
               other='W';
17
18
            for(i=0;i<n;i++)</pre>
19 ,
20
               for(j=0;j<n;j++)</pre>
21 1
22
                   if((i+j)%2==0)
23
24
                       printf("%c",start);
25
26
                   else
27
28
                       printf("%C",other);
29
30
31
32
```





Question **3**Correct
Marked out of 7.00

Friag 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 MUTHURAM 240901062 Output First line print Case #i where i is the test case number In the subsequent line, print the pattern Test Case 1 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 t; 4 5 scanf("%d",&t); 6 for(int x=1;x<=t;x++)</pre> 7 🔻

3 3

5

printf("Case #%d\n",x);

8

```
scanf("%d",&n);
10
           int f=1,b=n*(n+1);
11
12
            for(int i=0;i<n;i++)</pre>
13 🔻
                for(int k=0;k<2*i;k++)</pre>
14
15 ,
               printf("*");
16
17
               printf("%d",f);
18
19
               f++;
               for(int j=2;j<=n-i;j++)</pre>
20
21 •
                  printf("0%d",f);
22
23
                  f++;
24
25
               for(int l=b-(n-i)+1;l<=b;l++)</pre>
26 1
27
                  printf("0%d",1);
28
29
               b-=n-i;
               printf("\n");
30
31
32
33
        return 0;
34
35
36
```

	Input	Expected	Got	
√ 3	3	Case #1	Case #1	~
	3	10203010011012	10203010011012	
	4	**4050809	**4050809	
	5	G07	G07	
		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	*******15016	

Passed all tests! ✓

Finish review