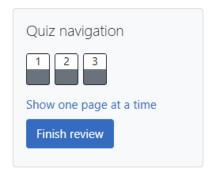
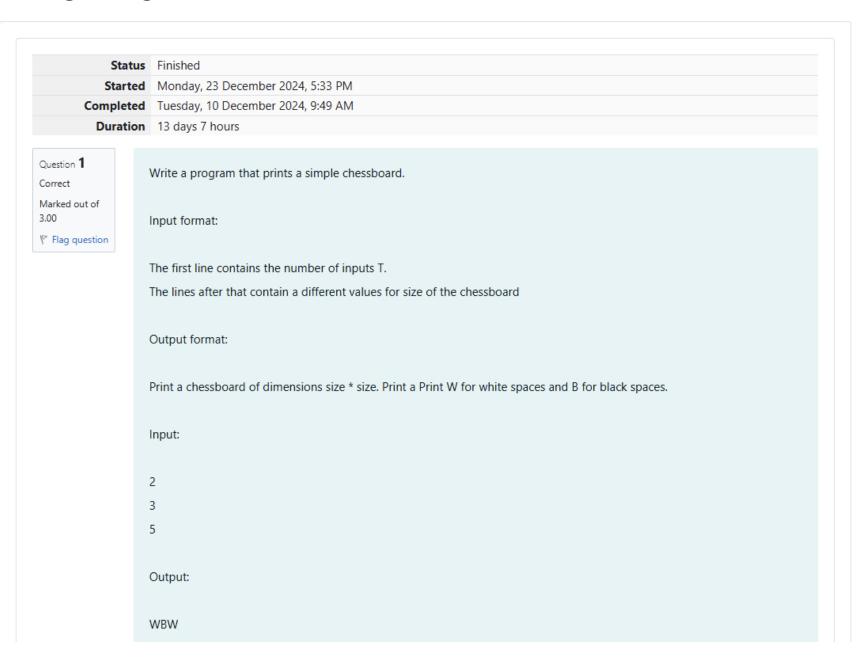
GE23131-Programming Using C-2024





Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 √ {
        int t,d,i=0,i1,i2,o;
 4
 5
        char c;
        scanf("%d",&t);
 6
 7
        while(i<t)
 8 +
 9
           scanf("%d",&d);
10
           i1=0;
            while(i1<d)
11
12 ,
13
               o=1;
               i2=0;
14
15
               if(i1%2==0)
16 ,
17
                   0=0;
18
19
               while(i2<d)
20 ,
                   c='B';
21
22
                   if(i2%2==o)
23 •
                       c='W';
24
25
26
27
                   printf("%c",c);
28
                   i2++;
29
30
               i1+=1;
               printf("\n");
31
32
33
           i=i+1;
34
35
36 }
```

	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! 🗸

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

Sample Input / Output

Input:

2

2 W

Output: BWB WBW BWB

Answer: (penalty regime: 0 %)

3 B

WB BW

```
1 #include<stdio.h>
2 int main()
3 √ {
 4
        int t,d,i,i1,i2,o,z;
        char c,s;
 5
        scanf("%d",&t);
 6
 7
        for(i=0;i<t;i++)</pre>
 8 *
            scanf("%d %c",&d,&s);
 9
            for(i1=0;i1<d;i1++)</pre>
10
11 *
12
                Z=(S=='W') ? 0:1;
                o=(i1%2==z) ? 0:1;
13
14
                for(i2=0;i2<d;i2++)
15 ,
                   c=(i2%2==o) ? 'W' : 'B';
16
                    printf("%c",c);
17
18
                printf("\n");
19
20
21
22
        return 0;
23 }
```

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

WBW WBW BWB BWB

Passed all tests! 🗸

Question 3

Correct

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:

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>
   int main()
2
3 √ {
4
        int t,ti,n;
        scanf("%d",&t);
5
6
        for(ti=0;ti<t;ti++)</pre>
7 ,
            scanf("%d",&n);
8
9
            printf("Case #%d\n",ti+1);
            int next=1,val=1;
10
11
            for(int i=n;i>=1;i--)
12 ,
13
                val = next;
                for(int j=1;j<=2*n-(n-i);j++)
14
15 •
16
                    if(j<=(n-i))
17
                        printf("**");
18
19
20
                    else if(j==n)
21 1
                    printf("%d0",val++);
22
23
                    next=val;
24
                    val=val+(i-1)*(i);
25
                else if(j==(2*n-(n-i)))
26
27
                    printf("%d",val++);
28
29
30
                else
31
32 1
33
                    printf("%d0",val++);
34
35
36
37
            printf("\n");
38
39
40
```

	Input	Expected	Got	
~	3	Case #1	Case #1	~

	,	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	*******15016	
Passe	d all test	ts! 🗸		

Finish review