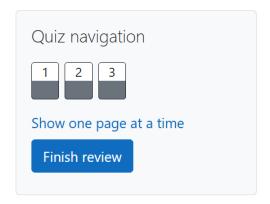
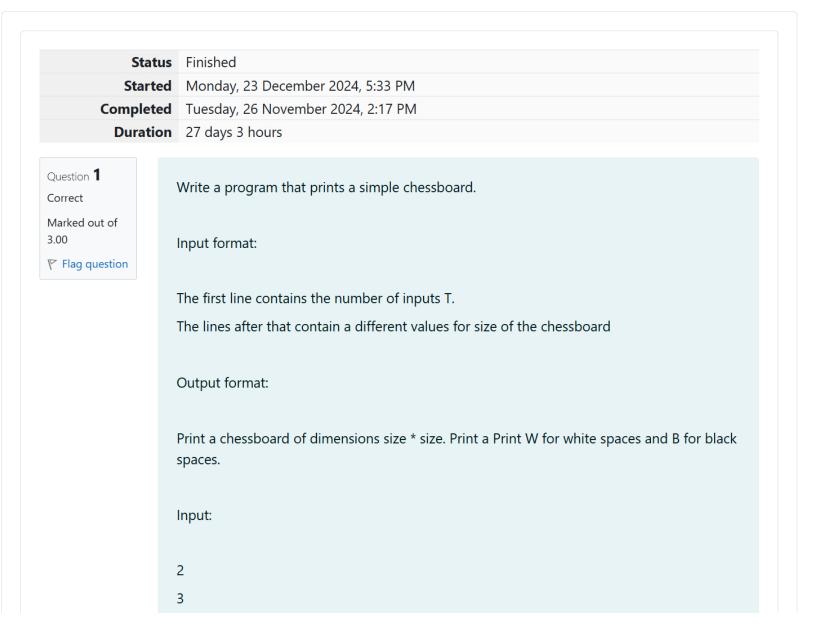
## GE23131-Programming Using C-2024





5

Output:

**WBW** 

**BWB** 

**WBW** 

**WBWBW** 

**BWBWB** 

**WBWBW** 

**BWBWB** 

**WBWBW** 

## **Answer:** (penalty regime: 0 %)

```
#include<stdio.h>
int main()

int a;

scanf("%d",&a);

int b[a];

for(int i=0;i<a;i++)

{scanf("%d",&b[i]);}

for(int i=0;i<a;i++)

int o=b[i];

int q=1;

for(int j=1;j<=b[i];j++)

{for(int k=q;k<=0;k++)

{k%2==1?printf("W"):printf("B");}

q++;o++;printf("\n");}}
</pre>
```



Passed all tests! <

Question  $\bf 2$ 

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 W 3 B Output: WB BW **BWB WBW BWB** 

## **Answer:** (penalty regime: 0 %)

2

```
1 #include<stdio.h>
 2 int main()
 3 ▼ {int a;
 4 scanf("%d",&a);
 5 int b[a];
 6 char c[a],s;
7 for(int i=0;i<a;i++)</pre>
8 {scanf("%d ",&b[i]);
9 scanf("%c",&c[i]);
10 scanf("%c",&s);}
11 for(int i=0;i<a;i++)
12 {int o=b[i];
13 int q=1;
14 | for(int j=1;j<=b[i];j++)
15 {for(int k=q;k<=o;k++)
16 {if(c[i]=='B')
```

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

Passed all tests! <

Question  ${\bf 3}$ 

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
```

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 k,q,a,z; 4 scanf("%d",&a); 5 int b[a]; 6 for(int i=0;i<a;i++)</pre> 7 scanf("%d",&b[i]); 8 for(int h=0;h<a;h++)</pre> 9 {printf("Case #%d",h+1);

10 printf("\n");

```
11 k=1; q=0;
12 z=b[h];
13 for(int n=1;n<=z;n++)
14 {for(int m=1; m<=n; m++)
15 {q=q+1;}}
16 q=(2*q)-(z-1);
17 | for(int i=0;i<b[h];i++)
18 {for(int j=0; j<i; j++)
19 {printf("**");}
20 for(int j=0;j<b[h]-i;j++)
21 {printf("%d0",k+j);}
22 for(int j=0;j<b[h]-i;j++)
23 {printf("%d",q+j);
24 if(j!=(b[h]-i-1))
25 printf("0");}
26 k=k+b[h]-i;
27 q=q-(z-1);
28
   z--;
29
   printf("\n");}}}
30
```

	Input	Expected	Got	
<b>~</b>	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	******15016	

Passed all tests! ✓

Finish review