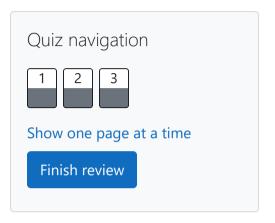
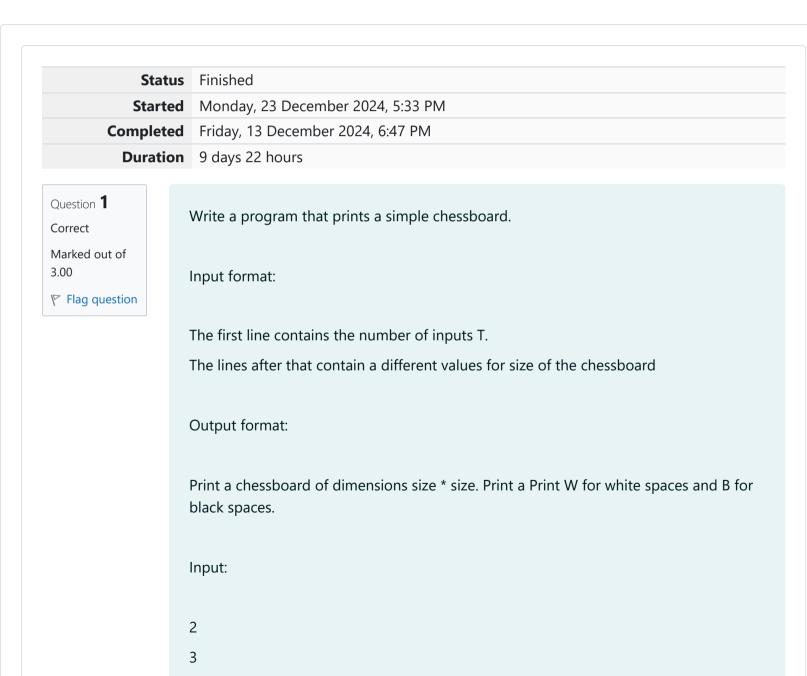
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include <stdio.h> 2 int main() 3 ₹ { int T,d,i=0,i1,i2,o; char c; 5 scanf("%d",&T); 6 while(i<T)</pre> 7 8 🔻 scanf("%d",&d); 9 10 i1=<mark>0</mark>; 11 while(i1<d)</pre> 12 🔻 13 o=**1**; i2=<mark>0</mark>; 14 15 if(i1%2==0) 16 🔻 17 o=**0**; 18 19 while(i2<d)</pre> 20 🔻

Output:

```
c='W';
24
25
                       printf("%c",c);
26
                       i2++;
27
28
29
                  i1+=<mark>1</mark>;
                  printf("\n");
30
31
32
             i=i+1;
33
34
```

	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 ${\bf 2}$

Correct

Marked out of 5.00

▼ Flag question

Let's print a chessboard!

Write a program that takes input:

```
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>
   2 int main()
```

int T.d.i.i1.i2.0.7:

```
8 🔻
             scanf("%d %c",&d,&s);
 9
             for(i1=0;i1<d;i1++)</pre>
10
11 ▼
                 z=(s=='W')?0:1;
12
                 o=(i1%2==z)?0:1;
13
                 for(i2=0;i2<d;i2++)</pre>
14
15 v
16
                     c=(i2%2==o)? 'W':'B';
                     printf("%c",c);
17
18
19
                 printf("\n");
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 $\bf 3$

Correct

Marked out of 7.00

Decode the logic and print the Pattern that corresponds to given input.

If N= 3

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 Test Case 1 3 3 5 Output Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 *****10011 Case #3 102030405026027028029030 **6070809022023024025 ****10011012019020021 *****13014017018 ******15016

```
Answer: (penaity regime: 0 %)
```

```
1 #include <stdio.h>
 2 v int main(){
         int n,v,p3,c,in,i,i1,i2,t,ti;
 3
         scanf("%d",&t);
 4
         for(ti=0;ti<t;ti++){</pre>
 5 🔻
             v=<mark>0</mark>;
 6
             scanf("%d",&n);
 7
 8
             printf("Case #%d\n",ti+1);
 9 •
             for(i=0;i<n;i++){</pre>
                 c=0;
10
                 if(i>0){
11 🔻
                      for(i1=0;i1<i;i1++) printf("**");</pre>
12
13
14 ▼
             for(i1=i;i1<n;i1++){</pre>
15
                 if(i>0) c++;
                  printf("%d0",++v);
16
17
18 •
             if(i==0){
19
                 p3=v+(v*(v-1))+1;
20
                 in=p3;
21
22
             in=in-c;
23
             p3=in;
24 ▼
             for(i2=i;i2<n;i2++){</pre>
25
                 printf("%d",p3++);
                 if(i2!=n-1) printf("0");
26
             }printf("\n");
27
28
29
30
```

	Input	Expected	Got	
~	3	Case #1	Case #1	~
	3	10203010011012	10203010011012	

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