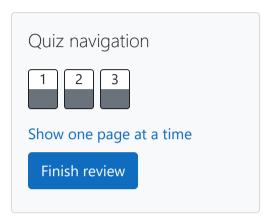
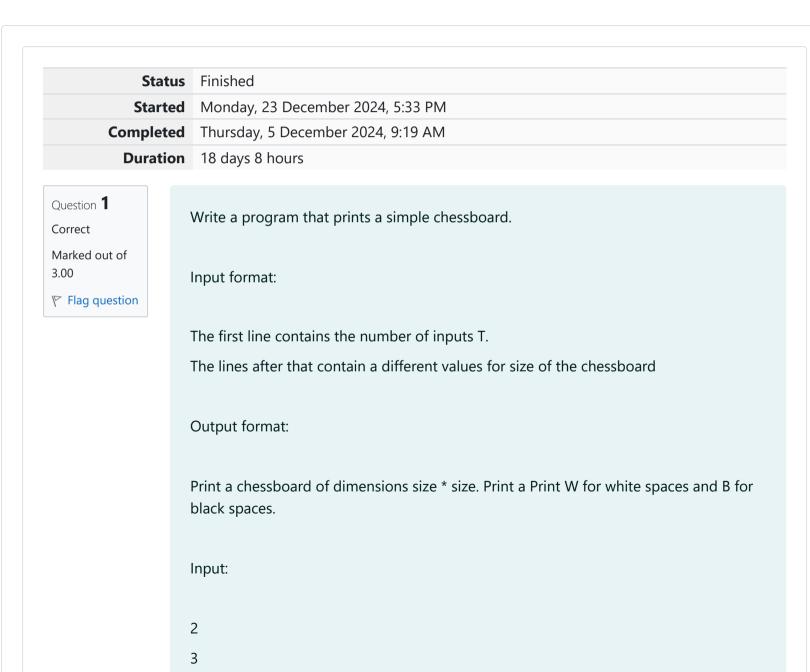
240901038

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	
١.	~	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:

```
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 **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: (penalty regime: 0 %)
      #include<stdio.h>
       int main()
    2
    3 ▼ {
            int n,v,p3,c,in,i,i1,i2,t,ti;
    4
            scanf("%d",&t);
    5
            for(ti=0;ti<t;ti++)</pre>
    6
    7 🔻
                v=<mark>0</mark>;
    8
    9
                scanf("%d",&n);
                printf("Case #%d\n",ti+1);
   10
   11
                for(i=0;i<n;i++)</pre>
   12 🔻
                {
   13
                c=0;
   14
                if(i>0)
   15 🔻
                     for(i1=0;i1<i;i1++)</pre>
   16
                     printf("**");
   17
   18
   19
                for(i1=i;i1<n;i1++)</pre>
   20 🔻
   21
                     if(i>0)
   22
                     C++;
   23
                     printf("%d0",++v);
   24
   25
                if(i==0)
   26 •
   27
                     p3=v+(v*(v-1))+1;
   28
                     in=p3;
   29
   30
                in=in-c;
   31
                p3=in;
                for(i2=i;i2<n;i2++)</pre>
   32
   33 •
                     printf("%d",p3++);
   34
   35
                     if(i2!=n-1)
                     printf("0");
   36
   37
                printf("\n");
   38
   39
   40
```

	Input	Expected	Got	
~	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	

Finish review