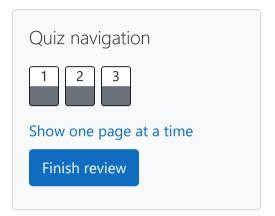
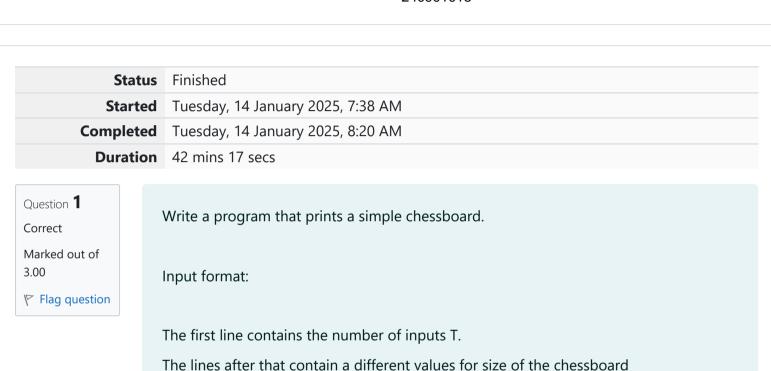
GE23131-Programming Using C-2024

DHANUSHBALAJI.M 240901018

Print a chessboard of dimensions size * size. Print a Print W for white spaces and B for





Output format:

black spaces.

Input:

2

3

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; scanf("%d",&T); while(i<T)</pre> 8 , scanf("%d",&d); 9 10 i1=<mark>0</mark>; 11 while(i1<d)</pre> 12 🔻 13 o=**1**; 14 i2=**0**; 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 **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
14
                 for(i2=0;i2<d;i2++)</pre>
15 🔻
                     c=(i2\%2==o) ? 'W' : 'B';
16
                     printf("%c",c);
17
18
19
                 printf("\n");
20
21
22
23
         return 0;
24 }
```

	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: (penaity regime: 0 %)
```

```
#include<stdio.h>
 2 v int main(){
         int n,v,p3,c,in,i,i1,i2,t,ti;
 3
         scanf("%d",&t);
 4
 5 1
         for(ti=0;ti<t;ti++){</pre>
              v=<mark>0</mark>;
 6
 7
              scanf("%d",&n);
              printf("Case #%d\n",ti+1);
 8
 9 1
              for(i=0;i<n;i++){</pre>
                  c=<mark>0</mark>;
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 1
              for(i2=i;i2<n;i2++){</pre>
25
                  printf("%d",p3++);
                  if(i2!=n-1) printf("0");
26
              }printf("\n");
27
28
29
30
31
```

	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