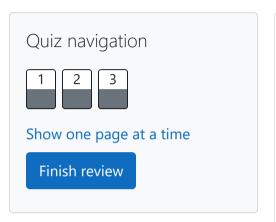
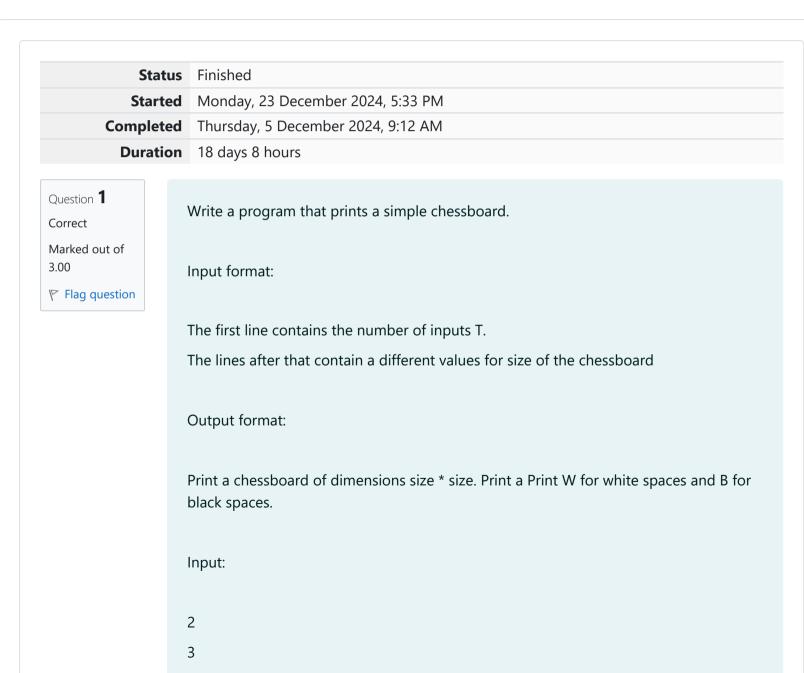
## GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) #include<stdio.h> void printchessboard(int size) 3 ▼ for(int i=0;i<size;i++)</pre> 5 🔻 for(int j=0;j<size;j++)</pre> 6 if((i+j)%2==0) 8 , printf("W"); 9 10 11 12 else 13 🔻 printf("B"); 14 15 } printf("\n"); 16 17 18 int main() 19 🔻 20 int T;

Output:

```
24 v
25 | scanf("%d",&sizes[i]);
26 | }
27 | for(int i=0;i<T;i++)
28 v
{
29 | printchessboard(sizes[i]);
30 | }
31 | return 0;
32 |
33 |
```

	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:

The first line contains T, the number of test cases

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() 3 ▼ { int T,a; char b,CB;

```
scan+("%d %c",&a,&b);
             for(int i=0;i<a;i++)</pre>
10
11 🔻
                 for(int j=0;j<a;j++)</pre>
12
13 🔻
                      CB=(b=='W')?'B':'W';
14
                     if((i+j)%2==0)
15
16
                     printf("%c",b);
17
                      else
                      printf("%c",CB);
18
19
20
         printf("\n");
21
22
             T--;
23
24
         return 0;
25
```

	Input	Expected	Got	
<b>~</b>	2	WB	WB	<b>~</b>
	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 i,n,p3,v,c,in,i1,i2,t,ti;
            scanf("%d",&t);
    5
            for(ti=0;ti<t;ti++)</pre>
    7 1
                 v=<mark>0</mark>;
    8
    9
                 scanf("%d",&n);
                 printf("Case #%d\n",ti+1);
   10
                 for(i=0;i<n;i++)</pre>
   11
   12 🔻
   13
                      c=<mark>0</mark>;
                      if(i>0)
   14
   15 🔻
   16
                          for(i1=0;i1<i;i1++)</pre>
                          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
   28
                          p3=v+(v*(v-1))+1;
   29
                          in=p3;
   30
                      in=in-c;
   31
   32
                      p3=in;
   33
                      for(i2=i;i2<n;i2++)</pre>
   34
   35
                          printf("%d",p3++);
                          if(i2!=n-1)
   36
                          printf("0");
   37
   38
   39
                      printf("\n");
   40
```

	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