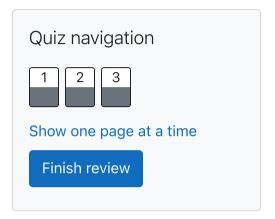
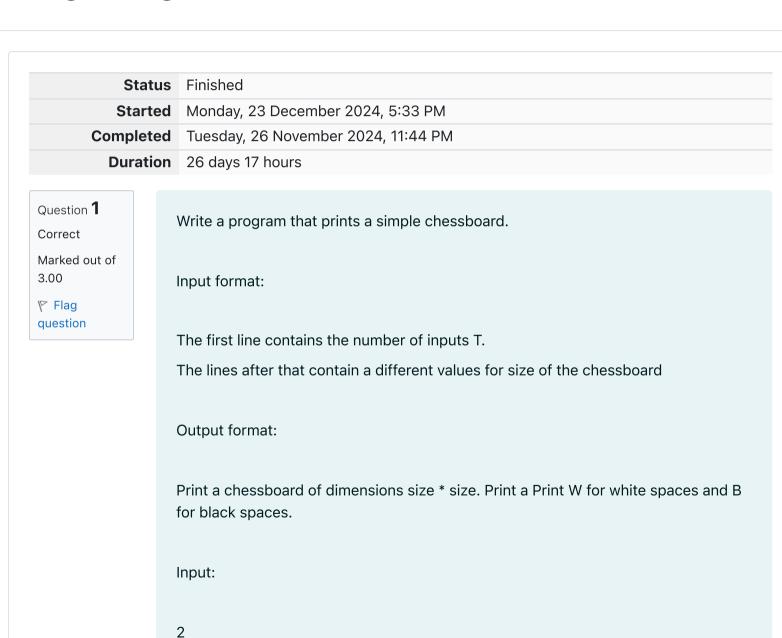
GE23131-Programming Using C-2024





3

WBW BWB WBW **WBWBW BWBWB WBWBW BWBWB WBWBW** Answer: (penalty regime: 0 %) 1 #include<stdio.h> 2 int main(){ int a,b,i,j,k; scanf("%d",&b); for(k=1; k<=b; k++){ scanf("%d",&a); 6 7 1 for(i=1;i<=a;i++){</pre> 8 , for(j=1; j<=a; j++){</pre> 9 , if(i%2==1){ $if(j\%2==1){$ 10 • 11 printf("W"); 12 13 🔻 else if(j%2==0){ printf("B"); 14 15 16 • }else if (i%2==0){ 17 • $if(j\%2==0){$ printf("W"); 18 19 20 • else if(j%2==1){

Output:

	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

 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 v int main(){ int a,b,i,j,k; 4 char c;

```
scanf("%c",&c);
 9 ,
         if(c==66||c==98){
             for(i=1;i<=a;i++){</pre>
10 •
                  for(j=1; j<=a; j++){</pre>
11 •
12 🔻
                      if(i%2==1){
13 •
                           if(j\%2==0){
14
                                printf("W");
15 •
                           }else if(j%2==1){
                                printf("B");
16
17
18 •
                      } else if(i%2==0){
19 •
                           if(j\%2==1){
20
                                printf("W");
21 •
                           }else if(j%2==0){
22
                               printf("B");
23
                           }}}
24
                           printf("\n");
25
26 •
             else if(c==87||c==119){
27 •
                  for(i=1;i<=a;i++){</pre>
28 •
                      for(j=1; j<=a; j++){</pre>
29 •
                           if(i%2==1){
30 •
                                if(j\%2==0){
                                    printf("B");
31
32
33 •
                                else if(j%2==1){
34
                                    printf("W");
35
36 •
                                else if (i%2==0){
37 •
                                    if(j%2==1){
38
                                         printf("B");
39
40 •
                                    else if(j\%2==0){
                                         printf("W");
41
                                    }}}
42
43
                                    printf("\n");
                  `
}}}
44
45
46
```

	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

then pattern will be:

10203010011012

**4050809

****607

If N= 4, then pattern will be:

1020304017018019020

**50607014015016

****809012013

*****10011

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 3 4 5
Output
Case #1

10203010011012

```
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
*****13014017018
******15016
Answer: (penalty regime: 0 %)
      #include<stdio.h>
   2 v int main(){
    3
           int t,n,x,y,i,z=1,ans,c;
           scanf("%d",&t);
           while(z<=t){</pre>
               scanf("%d",&n);
    6
                printf("Case #%d\n",z);
               y=1;
   9
               i=1;
  10
                c=0;
  11 🔻
               while(y<=n){</pre>
  12
                    x=1;
  13
                    ans=(n*n);
  14
                    ans-=c;
  15 🔻
                    while(x<=2*n){</pre>
  16 •
                        if(x \le n)
                             if(x<y)</pre>
  17
  18
                             printf("**");
  19
                            else if(y-n)
```

Case #2

1020304017018019020

```
23 •
                        \\croc\
                            if((x+y)==(2*n)+1){
                                printf("%d",(ans+y));
24
25
                                ans++;
26
                                C++;
27 🔻
                            else if((x+y)<=((2*n)+1)){
                                printf("%d",(ans+y)*10);
28
29
                                ans++;
30
                                C++;
31
                            }}
32
                            x++;}
33
                            y++;
34
                            printf("\n");
35
            }z++;
36
37
```

	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