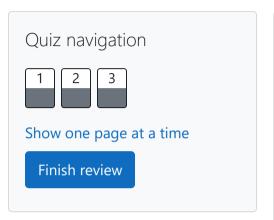
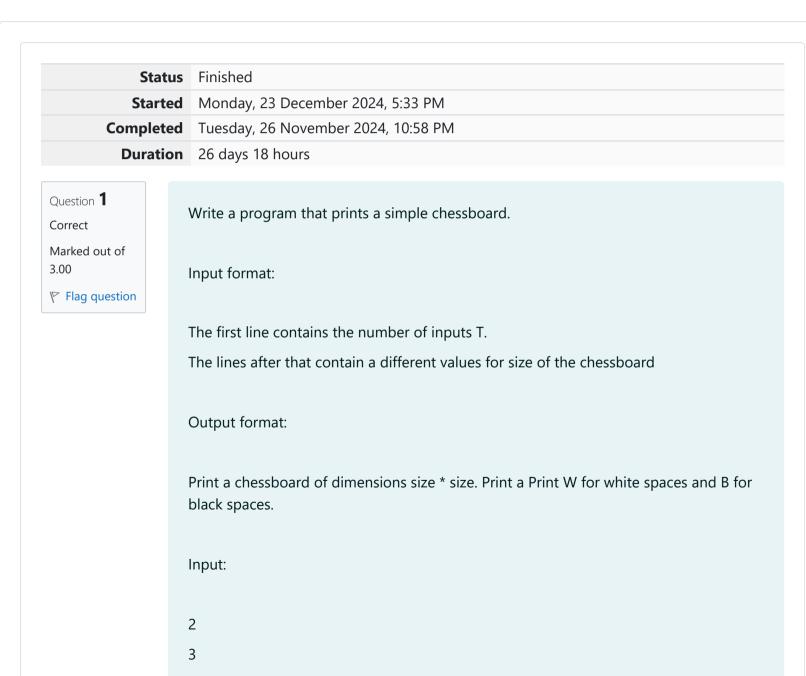
GE23131-Programming Using C-2024





WBW **BWB** WBW **WBWBW BWBWB WBWBW BWBWB WBWBW Answer:** (penalty regime: 0 %) 1 #include <stdio.h> 2 v int main(){ int a,b,i,j,k; 3 scanf("%d",&b); for(k=1;k<=b;k++){</pre> 5 1 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 printf("W"); 11 12 13 🔻 else if(j%2==0){ printf("B"); 14 15 16 17 🔻 else if(i%2==0){ $if(j\%2==0){$ 18 🔻 printf("W"); 19 20

Output:

```
24

25

26

printf("\n");

27

}

28

}

29

return 0;

30

}
```

	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:

The first line contains T, the number of test cases

Each test case contains an integer N and also the starting character of the chessboard

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; 3 char c; scanf("%d",&b); for(k=0;k<=(b+1);k++){ scanf("%d",&a); scanf("%c",&c); if(c=66||c=98){

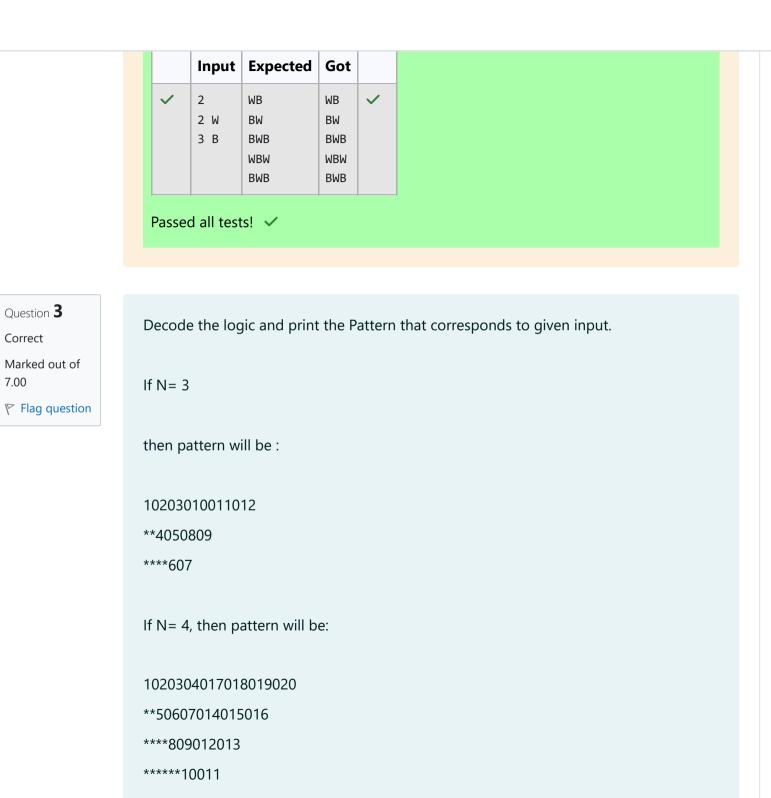
```
13 🔻
                               if(j%2==0){
14
                                   printf("W");
15
16
                               else if (j\%2==1){
                                   printf("B");
17
18
19
20
                          else if(i%2==0){
                               if(j\%2==1){
21 1
                                   printf("W");
22
23
24 1
                               else if(j%2==0){
                                   printf("B");
25
26
27
28
29
                      printf("\n");
30
31
32 🔻
             else if(c==87||c==119){
33 🔻
                 for(i=1;i<=a;i++){</pre>
34
                      for(j=1;j<=a;j++){</pre>
                          if(i%2==1){
35 ,
                               if(j%2==0){
36 ▼
                                   printf("B");
37
38
                               else if(j%2==1){
39
                                   printf("W");
40
41
42
                          else if(i%2==0){
43
                               if(j%2==1){
44 1
                                   printf("B");
45
46
                               else if(j%2==0){
47
                                   printf("W");
48
49
50
51
52
                      printf("\n");
```

Question **3**

Marked out of

Correct

7.00



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(){
           int t,n,x,y,i,z=1,ans,c;
    3
           scanf("%d",&t);
           while(z<=t){</pre>
                scanf("%d",&n);
                printf("Case #%d\n",z);
                y=1;
                i=1;
   10
                c=0;
                while(y<=n){</pre>
   11 1
   12
                    x=1;
   13
                    ans=(n*n);
   14
                    ans-=c;
   15 1
                    while(x<=2*n){</pre>
   16
                        if(x<=n){
   17
                             if(x<y)</pre>
                printf("**");
   18
   19
                else if (x \le n)
```

Case #2

1020304017018019020

```
llersel
23 🔻
                 if((x+y)==(2*n)+1){
24
                     printf("%d",(ans+y));
25
                     ans++;
26
                     C++;
                     }else if((x+y)<=((2*n)+1)){</pre>
27 🔻
                         printf("%d",(ans+y)*10);
28
29
                         ans++;
30
                         c++;
31
32
33
                     x++;
34
35
                 y++;
                 printf("\n");
36
37
38
            z++;
39
40
        return 0;
41 }
```

	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	

