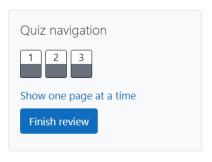
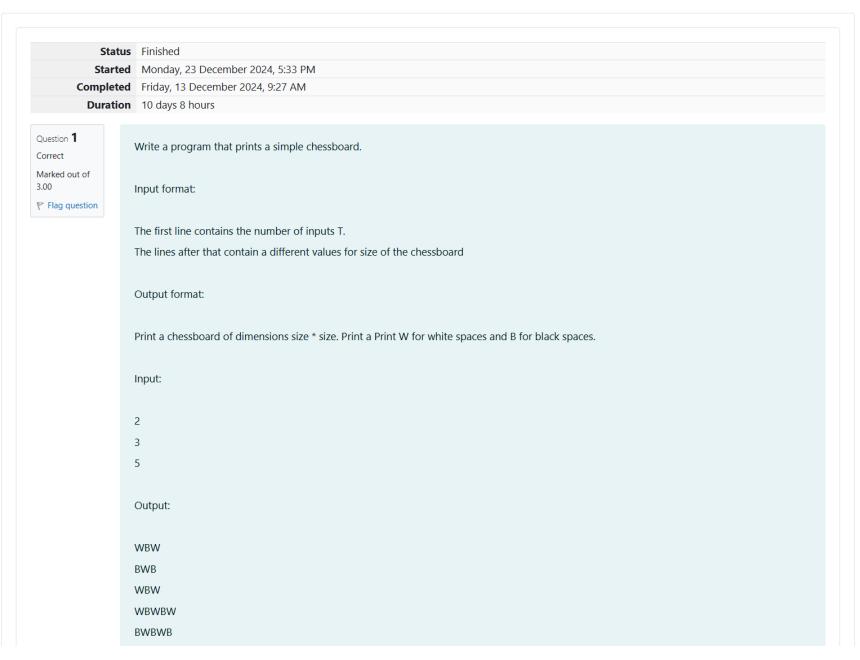
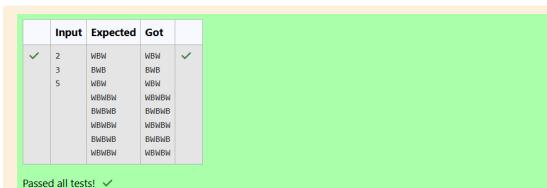
GE23131-Programming Using C-2024





```
WBWBW
BWBWB
WBWBW
Answer: (penalty regime: 0 %)
      #include <stdio.h>
    2 v int main(){
       int T, size;
   3
   4 scanf("%d",&T);
    5 v while(T--){
          scanf("%d",&size);
    6
   7 ,
           for(int i=0;i<size;i++){</pre>
              for(int j=0;j<size;j++){</pre>
    8
    9 .
                  if((i+j)%2==0){
  10
                   printf("W");
  11
  12
                   else
  13
                      printf("B");
  14
  15
  16
              printf("\n");
  17
  18
  19
  20
  21
  22 }
```



Question ${f 2}$

Correct

Marked out of 5.00

Let's print a chessboard!

Write a program that takes input:

Flag question

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

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(){
 3
        int T;
        scanf("%d",&T);
 4
        while(T--){
 5 1
            int N;
 6
 7
            char starchar;
            scanf("%d %c",&N,&starchar);
 8
 9
            char firstchar=starchar;
10
            char secondchar=(starchar=='B')?'W':'B';
            for (int i=0;i<N;i++){
11
                for(int j=0;j<N;j++){</pre>
12
                    if((i+j)%2==0)
13
14
                       printf("%c",firstchar);
15
```

WB	~
BW	
BWB	
WBW	
BWB	
	BWB WBW

Question **3**Correct

Marked out of 7.00

Flag question

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

```
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
In the subsequent line, print the pattern
Test Case 1
3
3
4
5
Output
Case #1
10203010011012
**4050809
****607
Case #2
1020304017018019020
**50607014015016
****809012013
*****10011
Case #3
102030405026027028029030
**6070209022024025
```

****10011012019020021 *****13014017018 *******15016

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
 2 v int main(){
 3
        int t,n,x,y,z=1,i,ans,c;
        scanf("%d",&t);
 4
 5
        while(z<=t){</pre>
 6
            scanf("%d",&n);
           printf("Case #%d\n",z);
 7
 8
            y=1;
 9
            i=1;
10
            c=0;
           while(y<=n){
11
12
                x=1;
13
                ans=(n*n);
14
                ans = ans-c;
                while(x <= 2*n){
15
                    if(x<=n){
16
                       if(x<y)
17
18
                       printf("**");
19
                        else if(x<=n){</pre>
                           printf("%d",i*10);
20
21
                           i++;
22
23
24
                    else{
                       if((x+y)==(2*n+1)){
25
                           printf("%d",(ans+y));
26
27
                           ans++;
28
                           C++;
29
30
                       else if(x+y <= (2*n+1)){
31
                           printf("%d",(ans+y)*10);
32
                           ans++;
33
                           C++;
34
35
36
37
                    X++;
38
39
                y++;
40
                printf("\n");
41
42
43
            Z++;
44
45
46
47 }
```

	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	
		C #0	C #3	
		102030405026027028029030	102030405026027028029030	
		**6070809022023024025	**6070809022023024025	
		****10011012019020021	****10011012019020021	
		*****13014017018	*****13014017018	
		*******15016	*******15016	

Passed all tests! <

Finish review