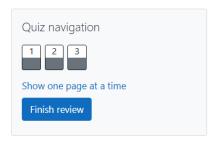
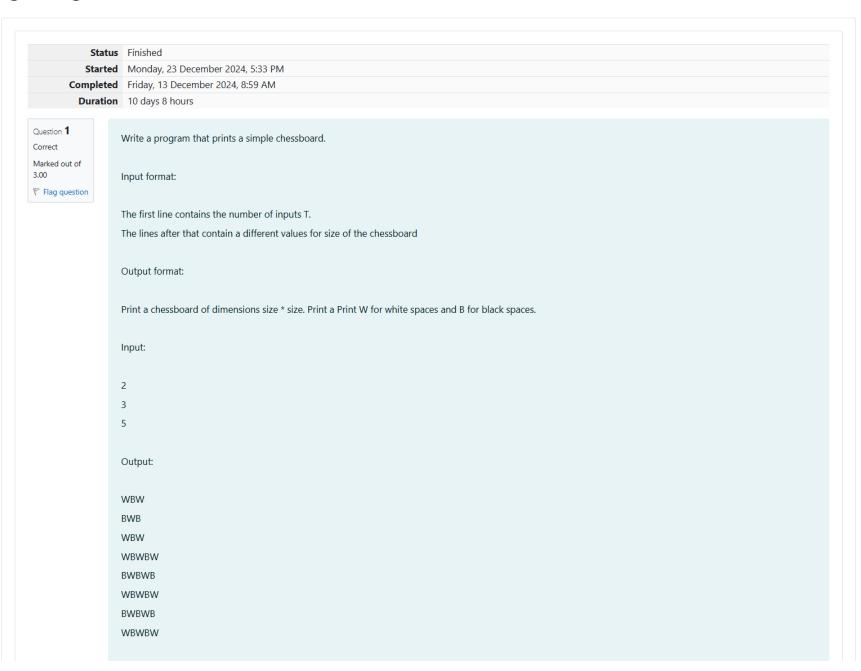
## GE23131-Programming Using C-2024





```
Answer: (penalty regime: 0 %)
  1 #include<stdio.h>
2 int main()
  3 ₹ {
         int T,d,i=0,i1,i2,o;
   4
         char c;
scanf("%d",&T);
   5
   6
         while(i<T)
   7
   8 ,
  9
              scanf("%d",&d);
  10
             i1=0;
              while(i1<d)
  11
  12
                 o=1;
i2=0;
  13
  14
  15
                 if(i1%2==0)
  16
                 {
  17
                     o=0;
  18
  19
                 while(i2<d)
  20 1
                     c='B';
  21
  22
                     if(i2%2==o)
  23 1
  24
                     c='W';
  25
                     printf("%c",c);
  26
  27
                     i2++;
  28
  29
                 i1+=1;
                 printf("\n");
  30
  31
                 i=i+1;
  32
  33
  34
  35
  36
```

	Input	Expected	Got	
~	2	WBW	WBW	~
	3	BWB	BWB	
	5	WBW	WBW	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
		BWBWB	BWBWB	
		WBWBW	WBWBW	
Passe	d all test	s! 🗸		
Passe	d all test	ts! 🗸		

Question **2**Correct

Let's print a chessboard!

Marked out of 5.00 P Flag question

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

Output Format

Print the chessboard as per the given examples

Sample Input / Output

Input:

2

2 W

3 B

Output:

WB

BW

**BWB** 

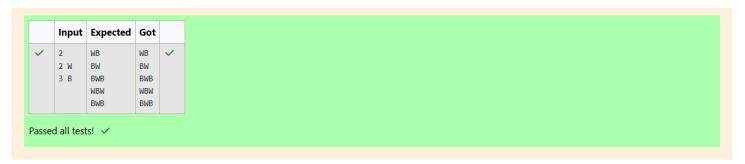
WBW

**BWB** 

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
    int main()
2
3 ₹ {
4
       int T;
       scanf("%d",&T);
5
6
        while(T--)
7 🔻
 8
           int N;
9
           char starchar;
10
           scanf("%d %c",&N,&starchar);
11
           char firstchar=starchar;
12
            char secondchar=(starchar=='B')?'W':'B';
13
            for(int i=0;i<N;i++)</pre>
14
15
               for(int j=0;j<N;j++)</pre>
16
17
               if((i+j)%2==0)
18
19
                  printf("%c",firstchar);
20
```

```
21
              ,
else
22 🔻
23
                   printf("%c",secondchar);
24
25
26
              printf("\n");
27
28
29
30
31
    return 0;
32 }
```



Question **3**Correct
Marked out of 7.00
F 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 5 Output Case #1 10203010011012 \*\*4050809 \*\*\*\*607 Case #2 1020304017018019020 \*\*50607014015016 \*\*\*\*809012013 \*\*\*\*\*10011 Case #3 102030405026027028029030 \*\*6070809022023024025 \*\*\*\*10011012019020021 \*\*\*\*\*13014017018 \*\*\*\*\*\*15016 Answer: (penalty regime: 0 %)

1 #include<stdio.h>

```
2 int main()
 3 ₹ {
4
        int n,v,p3,c,in,i,i1,i2,t,ti;
 5
        scanf("%d",&t);
        for(ti=0;ti<t;ti++)</pre>
 6
 7 🔻
 8
            v=0;
9
            scanf("%d",&n);
10
            printf("Case #%d\n",ti+1);
11
            for(i=0;i<n;i++)
12 ,
13
               c=0;
14
               if(i>0)
15 ,
16
                   for(i1=0;i1<i;i1++)</pre>
17
                       printf("**");
18
19
            for(i1=i;i1<n;i1++)</pre>
20 ,
21
               if(i>0)
22
               c++;
23
               printf("%d0",++v);
24
           if(i==0){
25
               p3=v+(v*(v-1))+1;
26
27
               in=p3;
28
29
            in=in-c;
30
            p3=in;
31
            for(i2=i;i2<n;i2++)</pre>
32 ,
               printf("%d",p3++);
33
34
               if(i2!=n-1)
35
               printf("0");
36
37
           printf("\n");
38
39
40
41 }
```

	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