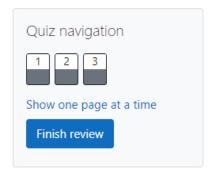
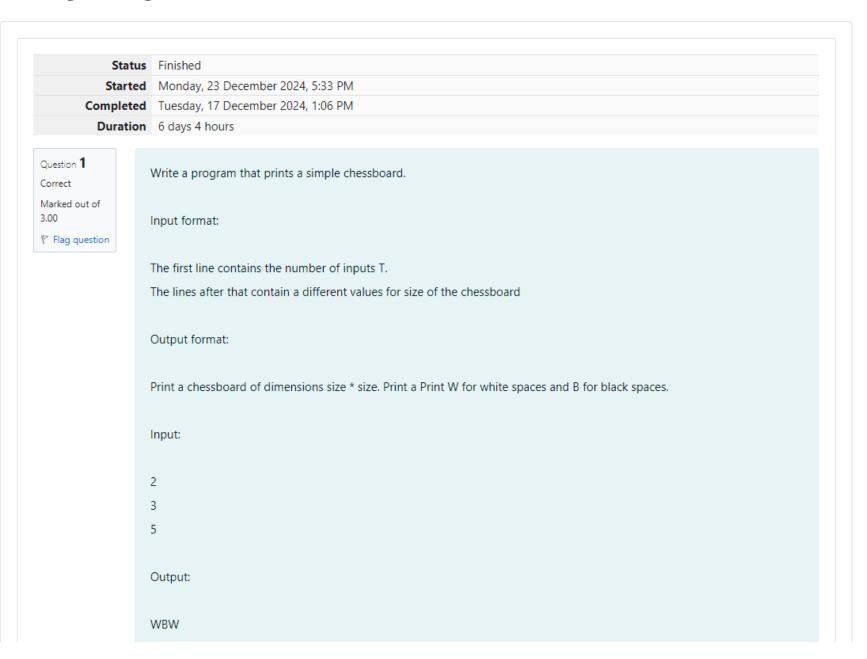
GE23131-Programming Using C-2024





BWB
WBWBW
BWBWB
WBWBWB
WBWBWB

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 √ {
        int t,n;
4
5
        scanf("%d",&t);
        while(t--)
6
7 🔻
8
            scanf("%d",&n);
9
           for(int i=0;i<n;i++)</pre>
10
11
                for(int j=0;j<n;j++)</pre>
12 ,
                    if((i+j)%2==0)
13
14
15
                       printf("W");
16
17
18
                    else
19
                       printf("B");
20
21
22
23
                printf("\n");
24
25
26
27
        return 0;
28 }
```

| | 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

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;
4
        scanf("%d",&t);
5
6
        while(t--)
7 🔻
            int n;
8
9
            char s;
            scanf("%d %c",&n,&s);
10
            char first=s;
11
            char secondchar=(s=='B')?'W':'B';
12
13
            for (int i=0;i<n;i++)</pre>
14
15
                for(int j=0;j<n;j++)</pre>
16 •
                   if((i+j)%2==0)
17
18 •
                        printf("%c",first);
19
20
21
                    else
22 v
                        printf("%c",secondchar);
23
24
25
                printf("\n");
26
27
28
29
30
31
        return 0;
32 }
```

| | Input | Expected | Got | |
|---|-------|----------|-----|---|
| ~ | 2 | WB | WB | ~ |
| | 2 W | BW | BW | |

| 3 B | BWB WBW BWB | BWB WBW BWB |
|-----|-------------------|-------------------|
|-----|-------------------|-------------------|

Passed all tests! 🗸

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 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 t,n,x,y,z=1,i,ans,c;
5
        scanf("%d",&t);
6
        while(z<=t)
7 ,
8
            scanf("%d",&n);
9
            printf("Case #%d\n",z);
10
            y=1;
11
            i=1;
12
            c=0;
            while(y<=n)
13
14 ,
15
                x=1;
16
                ans=(n*n);
17
                ans=ans-c;
18
                while(x <= 2*n)
19
                    if(x<=n)
20
21 1
22
                        if(x<y)
                        printf("**");
23
24
                        else if(x<=n)
25
                            printf("%d",i*10);
26
27
                            i++;
28
29
30
31
32
                    else
33 4
34
                        if((x+y)==(2*n+1))
35 1
                            printf("%d",(ans+y));
36
37
                            ans++;
38
                            C++;
39
                        else if(x+y \le (2*n+1))
40
41
                            printf("%d",(ans+y)*10);
42
43
                            ans++;
44
                            C++;
45
46
47
                    X++;
48
```

```
49 | y++;

50 | printf("\n");

51 | }

52 | z++;
```

| | 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 | |

Passed all tests! 🗸

Finish review