

Question 1

Correct

Marked out of
3.00

[Flag question](#)

Write a program that prints a simple chessboard.

Input format:

The first line contains the number of inputs T.

The lines after that contain a different values for size of the chessboard

Output format:

Print a chessboard of dimensions size * size. Print a Print W for white spaces and B for black spaces.

Input:

2

3

5

Output:

WBW

BWB

WBW

WBWBW

BWBWB

WBWBW

BWBWB

WBWBW

Answer: (penalty regime: 0 %)

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

	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

```

2 int main()
3 {
4     int t,arr[100];
5     char ch[100];
6     scanf("%d",&t);
7     for(int i=0;i<t;i++)
8     {
9         scanf("%d %c",&arr[i],&ch[i]);
10    }
11    for(int z=0;z<t;z++)
12    {
13        for(int j=0;j<arr[z];j++)
14        {
15            for(int i=0;i<arr[z];i++)
16                if((i+j)%2==0)
17                {
18                    printf("%c",ch[z]);
19                }
20                else
21                {
22                    if(z>0)
23                    {
24                        printf("%c",ch[z-1]);
25                    }
26                    else
27                    {
28                        printf("%c",ch[z+1]);
29                    }
30                }
31            printf("\n");
32        }
33    }
34 }
35
36 }

```

	Input	Expected	Got	
✓	2	WB	WB	✓
	2 W	BW	BW	
	3 B	BWB	BWB	
		WBW	WBW	
		BWB	BWB	

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

For N = 3, the output will be:

```

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         scanf("%d",&n);
8         printf("Case %d\n",z);
9         y=1;
10        i=1;
11        c=0;
12        while(y<=n){
13            x=1;
14            ans=(n*n);
15            ans=ans-c;
16            while(x<=2*n){
17                if(x<=n){
18                    if(x<y){
19                        printf("***");
20                    } else if(x<=n){
21                        printf("%d",i*10);
22                        i++;
23                    }
24                } else{
25                    if((x+y)<=(2*n)+1){
26                        printf("%d", (ans+y));
27                        ans++;
28                        c++;
29                    } else if(x+y>=(2*n)+1){
30                        printf("%d", (ans+y)*10);
31                        ans++;
32                        c++;
33                    }
34                }
35                x++;
36            }
37            y++;
38            printf("\n");
39        }
40        z++;
41    }
42
43    return 0;
44 }

```

	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! ✓