

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

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int v;
4     scanf("%d",&v);
5     while(v > 0){
6         int x;
7         scanf("%d",&x);
8         if(x < 0){
9             x=-x;
10        }
11        char a = 'W';
12        for(int i = 0; i < x ;i++){
13            for(int j = 0; j < x ;j++){
14                printf("%c",a);
15                if(a == 'W')
16                    a = 'B';
17            else
18                a = 'W';
19        }
20        printf("\n");
21        if(x%2==0){
22            if(a == 'W')
23                a='B';
24            else
25                a = 'W';
26        }
27    }
28    v--;
29 }
30 }
31
```

	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

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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

0111

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main(){
3     int v;
4     scanf("%d",&v);
5     while(v>0){
6         int x;
7         char a;
8         scanf("%d %c",&x,&a);
9         for(int i = 0; i < x;i++){
10             for(int j = 0;j < x;j++){
11                 printf("%c",a);
12                 if(a=='W')
13                     {
14                         a='B';
15                     }
16                 else {
17                     a = 'W';
18                 }
19             }
20             if( x%2==0){
21                 if(a=='W')
22                     a='B';
23                 else
24                     a='W';
25             }
26             printf("\n");
27         }
28     }
29     v--;
30 }
31 }
32 }
```

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

```

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

```


	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