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 %)

```c
#include<stdio.h>
int main()
{
    int v;
    scanf("%d",&v);
    while(v>0)
    {
        int x;
        scanf("%d",&x);
        if(x<0)
        {
            x=-x;
        }
        char a ='W';
        for(int i=0;i<x;i++)
        {
            for(int j=0;j<x;j++)
            {
                printf("%c",a);
                if(a=='W')
                    a='B';
                else
                    a='W';
            }
            printf("\n");
            if(x%2==0)
            {
                if(a=='W')
                   a='B';
                else
                   a='W';
            }
        }
        v--;
    }
}
```

	Input	Expected	Got	
✓	2 3 5	WBW BWB WBW WBWBW BWBWB WBWBW BWBWB WBWBW	WBW BWB WBW WBWBW BWBWB WBWBW BWBWB 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 %)

```c
#include<stdio.h>
int main()
{
    int T,d,i,i1,i2,o,z;
    char c,s;
    scanf("%d",&T);
    for(i=0;i<T;i++)
    {
        scanf("%d %c",&d,&s);
        for(i1=0;i1<d;i1++)
        {
            z=(s=='W') ? 0:1;
            o=(i1%2==z) ?0:1;
            for(i2=0;i2<d;i2++)
            {
                c=(i2%2==o) ? 'W' : 'B' ;
                printf("%c",c);
            }
            printf("\n");
        }
    }
    return 0;
}
```

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

Test Case 1

3

3

4

5

Output

Case #1

10203010011012

**4050809

****607

Case #2

1020304017018019020

**50607014015016

****809012013

******10011

Case #3

102030405026027028029030

**6070809022023024025

****10011012019020021

******13014017018

********15016

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int v,c=0;
    scanf("%d",&v);
    while(v!=0)
    {
        c++;
        int a;
        scanf("%d",&a);
        int s1=10,s2=(a*a*10)+10;
        printf("Case #%d\n",c);
        for(int i=0;i<a;i++)
        {
            for(int j=0;j<i;j++)
            {
                printf("**");
            }
            for(int j=0;j<a-i;j++)
            {
                printf("%d",s1);
                s1+=10;
            }
        for(int j=0;j<a-i;j++)
        {
            if((j+1)==(a-i))
            {
                printf("%d",((s2+(j*10)))/10);
            }
            else
            {
                printf("%d",(s2+(j*10)));
            }
        }
        s2-=(a-i)*10;
        s2+=10;
        printf("\n");
        }
        v--;
    }
}
```

	Input	Expected	Got	
✓	3 3 4 5	Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #3 10203040502602702802903 0 **6070809022023024025 ****10011012019020021 ******13014017018 ********15016	Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #3 10203040502602702802903 0 **6070809022023024025 ****10011012019020021 ******13014017018 ********15016	✓

Passed all tests! ✓