Question 1

Correct

Write a program that prints a simple chessboard.

Answer: (penalty regime: 0 %)

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

Let's print a chessboard!

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>
int main()
{
    int n,t;
    char c,s;
    scanf("%d",&t);

    for(int i=0;i<t;i++)
    {
        scanf("%d %c",&n,&c);
        if(c=='W')
        {
            s='B';
        }
        else if(c=='B')
        {
            s='W';
        }
        for(int j=0;j<n;j++)
        {
            for(int m=0;m<n;m++)
            {
                if((m+j)%2==0)
                {
                    printf("%c",c);
                }
                else
                {
                    printf("%c",s);
                }
            }
            printf("\n");
        }
    }
    return 0;
}
```

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

Passed all tests! ✓

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

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>
int main ()
{
    int n,v,p3,c,in,i,i1,i2,t,ti;
    scanf("%d",&t);
    for(ti=0;ti<t;ti++)
    {
        v=0;
        scanf("%d",&n);
        printf("Case #%d\n",ti+1);
        for(i=0;i<n;i++)
        {
            c=0;
            if(i>0)
            {
                for(i1=0;i1<i;i1++)  printf("**");
            }
            for(i1=i;i1<n;i1++)
            {
                if(i>0) c++;
                printf("%d0",++v);
            }
            if(i==0)
            {
                p3=v+(v*(v-1))+1;
                in=p3;
            }
            in=in-c;
            p3=in;
            for(i2=i;i2<n;i2++)
            {
                printf("%d",p3++);
                if(i2!=n-1)
                printf("0");
            }
        printf("\n");
        }
    }
    return 0;
}
```

	Input	Expected	Got	
✓	3 3 4 5	Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #3 10203040502602702802 9030 **6070809022023024025 ****10011012019020021 ******13014017018 ********15016	Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 ******10011 Case #3 10203040502602702802 9030 **6070809022023024025 ****10011012019020021 ******13014017018 ********15016	✓

Passed all tests! ✓