

Question 1

Correct

Write a program that prints a simple chessboard.

Answer: (penalty regime: 0 %)

```
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            printf("\n");
23        }
24    }
25    return 0;
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

Let's print a chessboard!

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main()
3 {
4     int n,t;
5     char c,s;
6     scanf("%d",&t);
7
8     for(int i=0;i<t;i++)
9     {
10         scanf("%d %c",&n,&c);
11         if(c=='W')
12         {
13             s='B';
14         }
15         else if(c=='B')
16         {
17             s='W';
18         }
19         for(int j=0;j<n;j++)
20         {
21             for(int m=0;m<n;m++)
22             {
23                 if((m+j)%2==0)
24                 {
25                     printf("%c",c);
26                 }
27                 else
28                 {
29                     printf("%c",s);
30                 }
31             }
32             printf("\n");
33         }
34     }
35     return 0;
36 }
```

	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

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main ()
3 {
4     int n,v,p3,c,in,i,i1,i2,t,ti;
5     scanf("%d",&t);
6     for(ti=0;ti<t;ti++)
7     {
8         v=0;
9         scanf("%d",&n);
10        printf("Case #%d\n",ti+1);
11        for(i=0;i<n;i++)
12        {
13            c=0;
14            if(i>0)
15            {
16                for(i1=0;i1<i;i1++) printf("***");
17            }
18            for(i1=i;i1<n;i1++)
19            {
20                if(i>0) c++;
21                printf("%d0",++v);
22            }
23            if(i==0)
24            {
25                p3=v+(v*(v-1))+1;
26                in=p3;
27            }
28            in=in-c;
29            p3=in;
30            for(i2=i;i2<n;i2++)
31            {
32                printf("%d",p3++);
33                if(i2!=n-1)
34                    printf("0");
35            }
36            printf("\n");
37        }
38    }
39    return 0;
40 }
```

	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! ✓