Finish review

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

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int t,n,i,j;
    scanf("%d",&t);
    while(t>0)
    {
        scanf("%d",&n);
        for(i=0;i<n;i++)
        {
            for(j=0;j<n;j++)
            {
                if((i+j)%2==0)
                  printf("%c",'W');
                else
                  printf("%c",'B');
            }
            printf("\n");
        }
        t--;
    }
}
```

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

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

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int n,t;
    char f,s;
    scanf("%d",&t);
    while(t>0)
    {
        scanf("%d %c",&n,&f);
        if(f=='W')
            s='B';
        else
            s='W';
        for(int i=0;i<n;i++)
        {
            for(int j=0;j<n;j++)
            {
                if((i+j)%2==0)
                  printf("%c",f);
                else
                  printf("%c",s);

            }printf("\n");
        }
        t--;
    }
}
```

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

**506070140150 16

****809012013

******10011

Constraints

2 <= N <= 100

Input Format

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int v,c=0;
    scanf("%d",&v);
    while(v!=0)
    {
        c=c+1;
        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");
        }
```

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```
                    printf("%d",((s2+(j*10))/10));
                else
                    printf("%d",(s2+(j*10)));
            }
            s2-=(a-i)*10;
            s2+=10;
            printf("\n");
        }
        v-v-1;
    }

}
```

	Input	Expected	Got	
✓	3 3 4 5	Case #1 10203010011012 **4050809 ****607 Case #2 10203040170180190 20 **506070140150 16 ****809012013 ******10011 Case #3 10203040502602702802903 0 **607080902202302402 5 ****10011012019020021 ******13014017018 ********15016	Case #1 10203010011012 **4050809 ****607 Case #2 10203040170180190 20 **506070140150 16 ****809012013 ******10011 Case #3 10203040502602702802903 0 **607080902202302402 5 ****10011012019020021 ******13014017018 ********15016	✓

Passed all tests! ✓

27°C Mostly cloudy

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