9:06 PM 🕝 // 🐶 📈 · · ·









Week-05-01-P...

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Duration

17 days / nours

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 %)

```
#include<stdio.h>
    int main()
 3 * {
     int T,d,i=0,i1,i2,o;
 5
     char c;
     scanf("%d",&T);
     while(i<T)</pre>
 8 *
 9
        scanf("%d",&d);
10
        i1=0;
11
        while(i1<d)</pre>
12 *
13
           0=1;
           i2=0;
14
           if(i1%2==0)
15
16 🔻
               0=0:
17
```





Output:

WBW

BWB

WBW

WBWBW

BWBWB

WBWBW

BWBWB

WBWBW

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
    int main()
 2
    int T,d,i=0,i1,i2,o;
    char c;
    scanf("%d",&T);
    while(i<T)</pre>
 8 🔻
       scanf("%d",&d);
10
       i1=0;
11
       while(i1<d)</pre>
12 🔻
13
           0=1;
           i2=0;
14
           if(i1%2==0)
15
16 🔻
              o=0;
17
18
           while(i2<d)
19
20 🔻
           {
              c='B';
21
22
           if(i2\%2==0)
23 🔻
              c='W';
24
25
           printf("%c",c);
26
27
           i2++;
28
29
           i1+=1;
           printf("\n");
30
31
       i=i+1;
32
33
34
```

	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

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 %)

```
#include<stdio.h>
    int main()
 2
 3 *
     int t,d,i,i1,i2,o,z;
     char c,S;
     scanf("%d",&t);
     for(i=0;i<t;i++)
 8 *
        scanf("%d %c",&d,&S);
       for(i1=0;i1<d;i1++)
10
11 v
            z=(S=='W')?0:1;
12
            o=(i1\%2==z)?0:1;
13
14
             for(i2=0;i2<d;i2++)
15 *
16
                 c=(i2\%2==o)?'W':'B';
                 printf("%c",c);
17
18
19
             printf("\n");
20
21
      return 0;
22
23
```









Week-05-01-P...

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Sample Input / Output

Input:

2

2 W

3 B

Output:

WB

BW

BWB

WBW

BWB

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
    int main()
2
3 ₹
     int t,d,i,i1,i2,o,z;
     char c,S;
 5
     scanf("%d",&t);
     for(i=0;i<t;i++)
8 *
        scanf("%d %c",&d,&S);
9
10
        for(i1=0;i1<d;i1++)
11 ▼
            z=(S=='W')?0:1;
12
            o=(i1\%2==z)?0:1;
13
            for(i2=0;i2<d;i2++)
14
15 *
                 c=(i2\%2==o)?'W':'B';
16
                 printf("%c",c);
17
18
            printf("\n");
19
20
21
      return 0;
22
23
```

	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

Input Format

First line contains T, the number of test cases

Each test case contains a single integer N

Output

First line print Case #i where i is the test case number In the subsequent line, print the pattern

Test Case 1

3

4

5

Output

Case #1

10203010011012

**4050809

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

```
******13014017018
*******15016
```

Answer: (penalty regime: 0 %)

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

	Input	Expected	Got
~	3	Case #1	Case #1
	3	10203010011012	102030100110
	4	**4050809	**4050809
	5	****607	****607
		Case #2	Case #2
		1020304017018019020	102030401701
		**50607014015016	**5060701401
		****809012013	****80901201
		*****10011	*****10011
		Case #3	Case #3
		102030405026027028029030	102030405026
		**6070809022023024025	**6070809022
	****10011012019020021	****10011012	
		*****13014017018	*****130140
		******15016	*******1501

Finish review