

Question 1

Incorrect

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

Answer: (penalty regime: 0 %)

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

Syntax Error(s)

__tester__.c: In function 'main':

```

8 *
9 {
10     scanf("%d %c", &d, &s);
11     for(i1=0; i1<d; i1++)
12     {
13         z=(s=='W')?0:1;
14         O=(i1%2==z)?0:1;
15         for(i2=0; i2<d; i2++)
16         {
17             c=(i2%2==0)?'W':'B';
18             printf("%c", c);
19         }
20         printf("\n");
21     }
22     return 0;
23 }

```

Syntax Error(s)

__tester__.c: In function 'main':

__tester__.c:4:21: error: expected identifier or '(' before ')' token

```

4 |     int f,d,i,i1,i2,,O,z;
  |                      ^

```

__tester__.c:12:13: error: 'z' undeclared (first use in this function)

```

12 |         z=(s=='W')?0:1;
  |         ^

```

__tester__.c:12:13: note: each undeclared identifier is reported only once for each function it appears in

__tester__.c:13:13: error: 'O' undeclared (first use in this function)

```

13 |         O=(i1%2==z)?0:1;
  |         ^

```

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

WB

BW

BWB

WBW

BWB

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int T;
5     scanf("%d", &T);
6     for(int t=0;t<T;t++)
7     {
8         int N;
9         char start;
10        scanf("%d %c", &N, &start);
11        char alt=(start=='W') ? 'B' : 'W';
12        for(int i=0;i<N;i++)
13        {
14            for(int j=0;j<N;j++)
15            {
16                if((i+j)%2==0)
17                {
18                    printf("%c", start);
19                }
20                else{
21                    printf("%c", alt);
22                }
23            }
24            printf("\n");
25        }
26    }
27 }
```

```

10  scanf("%d %c", &n, &start);
11  char alt=(start=='W') ? 'B' : 'W';
12  for(int i=0;i<n;i++)
13  {
14      for(int j=0;j<n;j++)
15      {
16          if((i+j)%2==0)
17          {
18              printf("%c", start);
19          }
20          else{
21              printf("%c", alt);
22          }
23      }
24      printf("\n");
25  }
26  }
27  return 0;
28  }

```

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

Passed all tests! ✓

Question 3
Incorrect
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

$2 \leq N \leq 100$

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

3

4

5

Output

Case #1:

10203010011012

**4050809

***r607

Case #2:

1020304017018019020

**50607014015016

Case #3

102030405026027028029030

**6070809022023024025

****10011012019020021

*****13014017018

*****15016

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         for(i=0;i<n;i++){
8             c=0;
9             if(i>0){
10                for(i1=0;i1<i;i1++){
11                    if(i1>0) c++;
12                    printf("%d0",++v);
13                }
14                if(i==0){
15                    p3=v*(v*(v-1))+1;
16                    in=p3;
17                }
18                in=in*c;
19                p3=in;
20                for(i2=1;i2<n;i2++){
21                    printf("%d",p3++);
22                    if(i2==n-1) printf("\n");
23                }
24                printf("\n");
25            }
26        }
27    }
```

```

9 *      if(i>0){
10 *          for(i1=0;i1<i;i1++){
11 *              if(i>0) c++;
12 *              printf("%d0",++v);
13 *          }
14 *          if(i==0){
15 *              p3=v+(v*(v-1))+1;
16 *              in=p3;
17 *          }
18 *          in=in-c;
19 *          p3=in;
20 *          for(i2=1;i2<n;i2++){
21 *              printf("%d",p3++);
22 *              if(i2!=n-1) printf("0");
23 *          }
24 *          printf("\n");
25 *      }
26 *  }
27 *  return 0;
28 *  }

```

Syntax Error(s)

```

__tester__ c: In function 'main'
__tester__ c:8:22: error: statement with no effect [-Werror=unreachable]
    8 |     for (i1=0; i1<i; i1++){
      |     ~~~~~
__tester__ c:22:25: error: 'n' may be used uninitialized [-Werror=maybe-uninitialized]
   22 |         if(i2!=n-1) printf("0");
      |         ~~~~~
__tester__ c:4:9: note: 'n' was declared here
    4 |     int n, v, p3, c, i1, i, i2, i3, i4;
      |     ~~~
__tester__ c:2: all warnings being treated as errors

```