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()

{

int T,d,i=0,i1,i2,o;

char c;

scanf ("%d",&T);

while (i<T)

{

scanf ("%d",&d);

i1=0;

while (i1<d)

{

o=1;

i2=0;

if (i1%2==0)

{

o=0;

}

while (i2<d)

{

c='B';

if (i2%2==o)

{

c='W';

}

printf ("%c",c);

i2++;

}

i1+=1;

printf ("\n");

}

i=i+1;

}

}

Feedback

|  | **Input** | **Expected** | **Got** |  |
| --- | --- | --- | --- | --- |
|  | 2  3  5 | WBW  BWB  WBW  WBWBW  BWBWB  WBWBW  BWBWB  WBWBW | WBW  BWB  WBW  WBWBW  BWBWB  WBWBW  BWBWB  WBWBW |  |

Passed all tests!

Question **2**

Correct

Marked out of 5.00

Flag question

Question text

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()

{

int T,d,i,i1,i2,o,z;

char c,s;

scanf ("%d",&T);

for (i=0;i<T;i++)

{

scanf ("%d %c",&d,&s);

for (i1=0;i1<d;i1++)

{

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

o=(i1%2==z)?0:1;

for (i2=0;i2<d;i2++)

{

c=(i2%2==o) ?'W':'B';

printf ("%c",c);

}

printf ("\n");

}

}

}

Feedback

|  | **Input** | **Expected** | **Got** |  |
| --- | --- | --- | --- | --- |
|  | 2  2 W  3 B | WB  BW  BWB  WBW  BWB | WB  BW  BWB  WBW  BWB |  |

Passed all tests!

Question **3**

Correct

Marked out of 7.00

Flag question

Question text

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

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()

{

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");

}

}

}

Feedback

|  | **Input** | **Expected** | **Got** |  |
| --- | --- | --- | --- | --- |
|  | 3  3  4  5 | Case #1  10203010011012  \*\*4050809  \*\*\*\*607  Case #2  1020304017018019020  \*\*50607014015016  \*\*\*\*809012013  \*\*\*\*\*\*10011  Case #3  102030405026027028029030  \*\*6070809022023024025  \*\*\*\*10011012019020021  \*\*\*\*\*\*13014017018  \*\*\*\*\*\*\*\*15016 | Case #1  10203010011012  \*\*4050809  \*\*\*\*607  Case #2  1020304017018019020  \*\*50607014015016  \*\*\*\*809012013  \*\*\*\*\*\*10011  Case #3  102030405026027028029030  \*\*6070809022023024025  \*\*\*\*10011012019020021  \*\*\*\*\*\*13014017018  \*\*\*\*\*\*\*\*15016 |  |

Passed all tests