

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 %)

```
1 |#include<stdio.h>
       int main(){
               int n;
scanf("%d",&n);
for(int i=0; i<n; i++){
   int a;</pre>
  4
  5 .
                        int d,
char c1='B',c2='W';
scanf("%d",&a);
for(int j=0; j<a; j++){
   if(j%2!=0)
   c1='W',c2='B';</pre>
  8
10
11
                              cl= n ,
else
cl='B',c2='W';
for(int k=0; k<a; k++){
    if(k%2!=0)
    -~intf("%c",c1);
12
13
14
                                        printf("%c",c1);
else
16
17
                                        printf("%c",c2);
19
20
                                printf("\n");
21
22
23
24 }
                return 0;
```

```
Input Expected Got
2
      WBW
                WBW
      BWB
                BWB
      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 %)

```
1 |#include<stdio.h>
 2 v int main(){
3 int n:
             int n;
scanf("%d",&n);
for(int i=0; i<n; i++){</pre>
 5 ,
                    int a;

char b,c1='W',c2='B',temp;

scanf("%d %c",&a,&b);

for(int j=0; j<a; j++){

   if((j%2)==0){
 6
 9 +
10 +
11 v
                           if(b!=c1){
                           c2=c1;
c1=b;}
12
13
14
15 v
16
17
                           else{
                           temp=c1;
c1=c2;
                           c2=temp;
18
19
                           for(int k=0; k<a; k++){
   if(k%2==0)
   printf("%c",c1);</pre>
20 +
21
22
23
                                   else
24
                                  printf("%c",c2);
25
26
27
28
                           printf("\n");
29 30 }
              return 0;
```

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

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 \*\*\*\*607 Case #2 1020304017018019020 \*\*50607014015016 \*\*\*\*809012013 \*\*\*\*\*10011 Case #3 102030405026027028029030 \*\*6070809022023024025 \*\*\*\*10011012019020021 \*\*\*\*\*13014017018 \*\*\*\*\*\*15016 Answer: (penalty regime: 0 %) 1 #include<stdio.h>
2 \* int main(){ int n; scanf("%d",&n); for(int i=1; i<=n; i++){

5 ,

int a; scanf("%d",&a); int l=1 s=a t=(a\*(a+1))-a+1

Question 3

Marked out of ₹ Flag

Correct

```
10203010011012
**4050809
****607
Case #2
1020304017018019020
**50607014015016
****809012013
******10011
Case #3
102030405026027028029030
**6070809022023024025
****10011012019020021
******13014017018
*******15016
```

## Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
   2 + int main(){
          int n;
   3
          scanf("%d",&n);
   4
   5 +
          for(int i=1; i<=n; i++){
   6
         int a:
          scanf("%d",&a);
          int l=1,s=a,t=(a*(a+1))-a+1;
   8
   9
          printf("Case #%d\n",i);
          for(int j=0; j<a; j++){
   int k=2*j,t1=t;
  10 +
  11
              while(k>0){
  12 +
  13
                printf("%c",'*');
  14
                   k-=1;
  15
               for(int p=0; p<s; p++){
  16 +
  17
              printf("%d",1);
                   1+=1;
  18
                  printf("%d",0);
  19
  20
              for(int q=0; q<s; q++){
    printf("%d",t1);
  21 +
  22
  23
                   t1+=1;
  24 +
                  if(q==(s-1)){
  25
                      break;
  26
  27
                  printf("%d",0);
  28
  29
              s-=1;
  30
              t-=s;
              printf("\n");
  31
  32
  33
  34
  35
       return 0;
  36 }
```

put	Expected	Got
	Case #1	Case #1
	10203010011012	10203010011012
	**4050809	**4050809
	****607	****607
	Case #2	Case #2
	1020304017018019020	1020304017018019020
	**50607014015016	**50607014015016
	****809012013	****809012013
	******10011	*****10011
	Case #3	Case #3
	102030405026027028029030	1020304050260270280
	**6070809022023024025	**60708090220230240
	****10011012019020021	****100110120190200
	*****13014017018	*****13014017018
	*******15016	*******15016



Status Finished Started Monday, 23 December 2024, 5:33 PM Completed Saturday, 23 November 2024, 11:12 AM Duration 30 days 6 hours Question 1 The k-digit number N is an Armstrong number if and only if Correct the k-th power of each digit sums to N. Marked out of 3.00 Given a positive integer N, return true if and only if it is an ₹ Flag question Armstrong number. Example 1: Input: 153 Output: true Explanation: 153 is a 3-digit number, and 153 = 1^3 + 5^3 + 3^3. Example 2: Input: 123 Output: false Explanation: 123 is a 3-digit number, and 123 != 1^3 + 2^3 + 3^3 = 36. Example 3: Input: 1634 Output: true Note: 1 <= N <= 10^8 Answer: (penalty regime: 0 %) 1 #include<stdio.h>
2 v int main(){
4 int n,k=0,a=0;
5 canf("%d".&n);
5 int n1=n,n2=n;
6 v while(n1>0){
7 k+=1;
8 n1/=10; 10 · 11 12 · while(n2>0){
 int b=n2%10,c=1;
 for(int i=1;i<=k; i++){</pre> 13 14 15 16 c\*=b; a+=c; n2=n2/10;

Output: Note: 1 <= N <= 10^8

```
Answer: (penalty regime: 0 %)
```

true

```
1 |#include<stdio.h>
      int main(){
    int n,k=0,a=0;
    scanf("%d",&n);
    int n1=n,n2=n;
    while(n1>0){
 3
 6 +
                  k+=1;
                   n1/=10;
             while(n2>0){
   int b=n2%10,c=1;
   for(int i=1;i<=k; i++){</pre>
10 +
11
12
13
                         c*=b;
                  a+=c;
n2=n2/10;
15
16
17
             if(a==n){
printf("true");
18 +
19
20
21
             else{
             printf("false");
22
23
24 r
25 }
       return 0;
```

	Input	Expected	Got	
~	153	true	true	~
~	123	false	false	~

Passed all tests! ~

Question 2 Correct Marked out of 5.00 ₹ Flag question

Take a number, reverse it and add it to the original number until the obtained number is a palindrome. Constraints 1<=num<=99999999 Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 vint main(){
3 long long int n,s,rev,temp1,temp2;
4 scanf("%lld",&n);
           while(1){
temp1=n,rev=0;
 5 .
 6
           while(n){
                rev=rev*10+(n%10);
 8
                n=n/10;
10
11
12
           s=temp1+rev;
           temp2=s,rev=0;
while(s){
    rev=rev*10+(s%10);
    s=s/10;
13 1
15
16
           if(temp2==rev){
17 +
           break;
18
19
20
           n=temp2;
21
22
     printf("%11d",temp2);
23 return 0;
24 }
```

	Input	Expected	Got	
<b>~</b>	32	55	55	~
	789	66066	66066	~

Passed all tests! ✓

Question 3
Correct
Marked out of 7.00
F Flag question

A number is considered lucky if it contains either 3 or 4 or 3 and 4 both in it. Write a program to print the nth lucky number. Example, 1st lucky number is 3, and 2nd lucky number is 4 and 3rd lucky number is 33 and 4th lucky number is 34 and so on. Note that 13, 40 etc., are not lucky as they have other numbers in it.

The program should accept a number 'n' as input and display the nth lucky number as output.

Sample Input 1:

3

Sample Output 1:

33

Explanation:

Here the lucky numbers are 3, 4, 33, 34., and the 3rd lucky number is 33.

Sample Input 2:

34

Sample Output 2:

33344

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
 2 + int main(){
 3
        int n;
        scanf("%d",&n);
 4
 5
        int x[n],c=0,g=0,s=0;
 6 .
        while(c<n){
             int r;
             (c%2==0)?(r=3):(r=4);
if((c%2==0)&&(c!=0)){
 8
9 .
10
                      s=x[g];
                     g++;
11
12
                 x[c]=(s*10)+r;
13
14
15
        printf("%d",x[n-1]);
16
17
         return 0;
18 }
```

```
| Input | Expected | Got | ✓ | 34 | 33344 | ✓ |
```

Passed all tests! <