Question 1 Correct Marked out of 3.00 Flag question

WBWBW

```
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
```

```
Input Expected Got
    2
           WBW
                   WBW
 ~
                         ~
           BWB
                   BWB
           WBW
                   WBW
          WBWBW
                   WBWBW
           BWBWB
                   BWBWB
          WBWBW
           BWBWB
                   BWBWB
          WBWBW
                   WBWBW
Passed all tests! ~
```

Question 2
Correct
Marked out of 5.00
F 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
```

```
Input Expected Got

2 WB WB VB
2 W BW BW BW BWB
3 B BWB BWB BWB
BWB BWB BWB
BWB BWB
BWB BWB
```

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 3 5 Output Case #1 10203010011012 **4050809 ****607 Case #2 1020304017018019020 **50607014015016 ****809012013 *****10011 Case #3 102030405026027028029030 **6070809022023024025 ****10011012019020021 *****13014017018 ******15016

```
include<atio.h>
int main()

int main(
```

In	out Expected	Got	
/ 3	Case #1 10203010011012	Case #1 10203010011012	~
4	**4050809	**4050809	
5	****607	****607	
	Case #2	Case #2	
	1020304017018019020	1020304017018019020	
	**50607014015016	**50607014015016	
	****809012013	****809012013	
	*****10011	******10011	
	Case #3	Case #3	
	102030405026027028029030		
	6070809022023024025 **10011012019020021	**6070809022023024025 ****10011012019020021	
	*****13014017018	******13014017018	
	********15016	*******15016	

Question 1
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true

Note:

1 <= N <= 10^8

The k-digit number N is an Armstrong number if and only if the k-th power of each digit sums to N.
Given a positive integer N, return true if and only if it is an 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:

```
#include<stdio.h>
#include<math.h>
int main()
3
4 *
5
6
7
8
9
              int n;
scanf("%d",&n);
int x=0,n2=n;
while (n2!=0)
                     X++;
n2/=10;
11
12
13
14
15
16
17
18
19
20
21
22
             }
int sum=0,n3=n,n4;
              while(n3!=0)
                     n4=n3%10;
                     sum=sum+pow(n4,x);
n3/=10;
              }
if(n==sum)
{
                     printf("true");
23
24
25
26
27
28
              else{
   printf("false");
29 30 }
               return 0;
```

Input	Expected	Got	
153	true	true	~
123	false	false	~

Question 2
Correct
Marked out of 5.00
P 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 ir
3 + {
4
      int main()
          int rn,n,nt=0,i=0;
scanf("%d",&n);
 5
6
7
8
9
                nt=n;
                rn=0;
10
11
12
               while(n!=0)
{
    rn=rn*10 + n%10;
13
14
15
16
17
                    n/=10;
                n=nt+rn;
i++;
18
           while(rn!=nt || i==1);
20
21
22
23 }
                printf("%d",rn);
           return 0;
```

Question 3
Correct
Marked out of 7.00
F Flag

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:

24

Sample Output 2:

33344