Started Monday, 23 December 2024, 5:33 PM

Completed Thursday, 21 November 2024, 11:33 PM

Duration 31 days 17 hours

Question 1
Correct
Marked out of 3.00

Frag 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 %)

```
1 |#include<stdio.h>
            int main()
{
                   int v;
scanf("%d",&v);
while(v>0)
     4 5
                           int x;
scanf("%d",&x);
if(x<0)</pre>
    9
   11 · 12 · 13 · 14 · 15 · 16 · 17 · 18 · ·
                                   x=-x;
                           char a='W';
for(int i=0;i<x;i++)
                                   for(int j=0;j<x;j++)
                                          printf("%c",a);
if(a=='W')
    a='B';
else
    a='W';
   19
20
   21
22
   23
24
25
                                  printf("\n");
if(x%2==0){
   if(a=='W')
       a='B';
   26
27
   28
29
                                          else
  30
31
32
33
                                                  a='W';
  34
35
                   return 0;
```

```
Input Expected Got
           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
P 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>
 2
3 +
     int main()
     {
 4
          int v;
scanf("%d",&v);
while(v!=0)
 5 6 7
 8
               char a;
               int x;
scanf("%d %c",&x,&a);
for(int i=0;i<x;i++)</pre>
 9
10
11
12
                     for(int j=0;j<x;j++)</pre>
13
14
                     {
                          printf("%c",a);
15
                         if(a=='W'){
a='B';
16
17
18
19
                         else{
20
                              a='W';
21
22
23
                     if((x\%2)==0){
24
                         if(a=='W')
25
                              a='B';
26
                         else
27
                              a='W';
28
29
                    printf("\n");
30
31
32
          }
33 }
```

```
Input Expected Got

2 WB WB WW
2 W BW BW
3 B BWB BWB
WBW WBW
BWB BWB
```

Passed all tests! ✓

Decode the logic and print the Pattern that corresponds to Marked out of 7.00 ₹ Flag question 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 3 3 4 5 Output 10203010011012 \*\*4050809 \*\*\*\*607 Case #2 1020304017018019020 \*\*50607014015016 \*\*\*\*809012013 \*\*\*\*\*10011 Case #3 102030405026027028029030 \*\*6070809022023024025 \*\*\*\*10011012019020021 \*\*\*\*\*13014017018 \*\*\*\*\*\*15016 Answer: (penalty regime: 0 %) int v,c=0;
scanf("%d",&v);
while(v!=0)
{ c++;
int a;
scanf("%d",&a);
int s1=10,s2=(a\*a\*10)+10;
printf("Case #%d\n",c);
for(int i=0;i<a;+\*){
 for(int j=0;j<s;j++){
 printf("\*\*\*);
 }
 for(int j=0;j<a-1;j++){
 printf("%d",s1);
 s1+=10;
}</pre> }
for(int j=0;j<a-i;j++){
 if((j+1)==(a-i)){
 printf("%d",((s2+(j\*1)))} printf("%d",((s2+(j\*1))
}
else{
 printf("%d",(s2+(j\*10))} s2-=(a-i)\*10; s2+=10; printf("\n");

Question 3

```
Input Expected
                                                                         Got
                                                                        Case #1
102030100110
**4050809
****607
Case #2
102030401701
**5060701401
****80901201
******10011
                    Case #1
10203010011012
**4050809
****607
                     ****607
Case #2
1020304017018019020
**50607014015016
****809012013
******10011
                     Passed all tests! ~
```

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: true Note: 1 <= N <= 10^8 Answer: (penalty regime: 0 %) int d=c%10;
int f=1;
for(int i=0;i<e;i++)
//</pre> printf("true");

Question 1

Marked out of 3.00 F Flag question

Correct



printf("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<=999999999 Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
 2
    int main()
 3 .
    {
        int rn,n,nt=0,i=0;
 4
 5
         scanf("%d",&n);
 6
         do
 7 +
         {
 8
             nt=n;rn=0;
             while(n!=0)
 9
10 +
                 rn=rn*10+n%10;
11
12
                 n=n/10;
13
14
             n=nt+rn;
15
             1++:
16
17
        while(rn!=nt || i==1);
        printf("%d",rn);
18
19
         return 0;
    }
20
```

	Input	Expected	Got	
~	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 %)

```
#include<stdio.h>
 2
    int con(int a)
 3,
 4
        int c=a;
 5
        while(c!=0)
 6
             int d=c%10;
if(d!=3 && d!=4) return 0;
 7
 8
9
             c/=10;
10
11
        return 1;
12
13
    int main()
14 .
15
        int a,b=0;
        scanf("%d",&a);
16
17
        while(a!=0)
18
19
             b++:
20
             if(con(b))
21
22
23
24
25
        printf("%d",b);
26
```