1. Write a 'C' Program to check whether the i/p number is palindrome or not?

2. Write a program to display the following pattern

    1

    2 2

    3 3 3

    4 4 4 4

3. Given n number of elements containing positive, negative, Zero's, odd and even numbers, write a c program to print the number of positive, negative, Zero's, odd and even numbers in the array.

4.

In an orphanage there were about 5 to 7 babies in the age group of 2months to 1 year. The founder of the orphanage wanted to name all these babies with special names. The names were special since all the names to be selected are palindromes. The founder's friend gave him a list of baby names with serial numbers in sequence. The founder needs to select the palindrome names out of the list. Help the founder by implementing a C code in identifying the palindrome names out of the list. Also your program needs to count the number of palindrome names present in the list. If there is no palindrome string print 0.

Eg:

If the list is

sachin

eve

arora

pilip

kamal

kumar

joshua

jones

nitin

emme

Your program has to print all palindrome strings.

 eve

arora

 pilip

nitin

emme

5 (number of palindrome strings present in the list)