

1. Numeric addresses for computers on the international network, 'Internet' has four parts, separated by periods, of the form xxx.yyy.zzz.mmm where xxx , yyy , zzz , and mmm are positive integers. Locally, computers are usually known by a nickname as well.

Sample Data

IP address	NickName
111.22.3.44	platte
555.66.7.88	wabash
111.22.5.66	green
0.0.0.0	none

A pair of computers are said to be in same locality when the first two components of the addresses are same. write a C program to store the computer network details using a structure and pass this structure as an argument to a function that displays a list of messages identifying each pair of computers from the same locality. In the messages, the computers should be identified by their nicknames. In this example, the message to be displayed will be Machines platte and green are on the same local network. For example, given IP address and nick name of machines as follows:

101.33.2.1	Atlas
101.33.56.80	Horizon
101.43.45.74	Pluto

Print 'Machines Atlas and Horizon are on the same local network.'

2. In a library, the books are arranged vertically in the rack, one above the other. The book(s) can be added or removed only from the top and not in the middle. You have been assigned to add 10

books and remove the books until the book rack is empty. Develop the program using generic function.