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| --- | --- | --- |
| **C** | birthday graph | |
| Input | Standard Input |
| Output | Standard Output |
| Time Limit | 5 seconds |

***Problem Description***

Everyone loves to be celebrated on their birthdays. Birthday celebration can encourage positive social interaction among co-workers, foster friendship among classmates or even strengthen bond between families.

Birthday graph can be display in many forms. It can a creative drawing consists of cupcakes, balloons, candles with names, or it can be in the form of simple bar chart to indicate the birthday frequency for the month.

Birthday graph apps will come handy to tabulate birthdates by month especially for a large group. Your task is to write a program that reads a list of birthdates and display the birthday graph as shown in the sample output below.

***Input***

The input consists of a few test cases. For each test case, the first line of input is a positive integer *N* (*N* ≤ 100) which indicates the number of data in the test case. Each of the following *N* lines contains a valid date representing birthdays formatted as dd mm yyyy. Input is terminated by a test case where *N* is 0.

***Output***

For each test case, output a line in the format "Case #x:" where x is the case number (starting from 1), follow by the monthly birthday graph as shown in the sample output.

***Sample Input Output***

|  |  |
| --- | --- |
| **Sample Input** | **Sample Output** |
| 15  26 06 2007  27 09 2012  08 08 1995  02 01 2008  07 04 1999  25 10 2006  26 04 1995  09 02 2006  06 01 2010  05 02 2012  07 01 2014  12 05 2009  22 04 1997  24 08 2005  05 05 2006  10  15 12 2000  13 10 1997  29 06 1998  19 06 1996  03 01 1997  05 11 2000  18 02 1999  12 05 2000  29 11 1995  22 04 1998  0 | Case #1:  Jan:\*\*\*  Feb:\*\*  Mar:  Apr:\*\*\*  May:\*\*  Jun:\*  Jul:  Aug:\*\*  Sep:\*  Oct:\*  Nov:  Dec:  Case #2:  Jan:\*  Feb:\*  Mar:  Apr:\*  May:\*  Jun:\*\*  Jul:  Aug:  Sep:  Oct:\*  Nov:\*\*  Dec:\* |