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| Implement a Java program that reads phone numbers, and for each phone number, it displays the phone number’s three components – country code, area code, and local number.  Assume that the user enters each phone number as a series of digits and dashes, such that there are three groups of digits and two dashes separating the three groups. For example, 1-816-7412000. The first digit group (1 in the example) is the country code, the second digit group (816 in the example) is the area code, and the third digit group (7412000 in the example) is the local phone number.  Do not assume that the number of digits in a particular digit group is fixed. For example, the country code for the United States requires one digit (1) and the country code for China requires two digits (86). |
| A sample session would look like following.  PHONE NUMBER DISSECTOR  Enter a phone number in the form cc-area-local, where cc = country code digits, area = area code digits, and local = local phone digits. Or enter q to quit: *1-816-7412000*  country code = 1 area code = 816 local phone number = 7412000  Enter a phone number in the form cc-area-local, where cc = country code digits, area = area code digits, and local = local phone digits. Or enter q to quit: *86-131-12345678*  country code = 86 area code = 131 local phone number = 12345678  Enter a phone number in the form cc-area-local, where cc = country code digits, area = area code digits, and local = local phone digits. Or enter q to quit: *Q* Press any key to continue . . . |