# A test of "programming for beginners" – 28 August 2016

## Task 6 Figures.

As input to the program reading from console **1 whole three-digit number**. You should print the number a number of times, each time, **before you print**, the figure is modified as follows:

        **If the number is divisible by 5, remove from him his first number,**

        **If the number is divisible by 3, remove from him his second number,**

        **If it is none of the above – add to it his third digit**

Print to the console **N the number of rows, each row has numbers, number m**which are the result of the above actions. **The lines are equal to the sum of the first and second digit of the number, and the columns – the first and the third digit.**

### Login

The input is **an integer** in the range [**100... 999**].

### Exit

To be printed on the console**all integers**, which are **the result of the above calculations** at **the appropriate number of rows and columns**, as in the examples.

### Sample input and output

|  |  |  |
| --- | --- | --- |
| **Login** | **Exit** | **Explanations** |
| 132 | 129 126 123  120 119 121  123 120 119  121 123 120 | (1 +3) = **4** and (1 + 2) = **3** -> **4 lines**on**3 numbers on each line**  **Input number 132**  **132**-> **partition of 3** -> **132- 3 =**  **= 129 -> Division 3-> 129- 3 =**  **= 126 -> Division 3-> 126- 3 =**  **= 123-> partition > 3 123 - 3 =**  **= 120 -> Division 5-> 120- 1 =**  **..... 121-> either the 5 or 3-> 121 + 2 = 123** |
| **Login** | **Exit** | **Explanations** |
| 376 | 382 388 394 400 397 403 409 415 412  418 424 430 427 433 439 445 442 448  454 460 457 463 469 475 472 478 484  490 487 493 499 505 502 508 514 520  517 523 529 535 532 538 544 550 547  553 559 565 562 568 574 580 577 583  589 595 592 598 604 610 607 613 619  625 622 628 634 640 637 643 649 655  652 658 664 670 667 673 679 685 682  688 694 700 697 703 709 715 712 718 | **10 rows of 9 numbers every**  **Input number 376**-> **either the 5 or 3-> 376** + 6 =  = **382 -> neither the 5 or 3 -> 382 + 6 =**  **= 388 + 6 = 394 + 6 =**  **= 400-> partition of 5-> 400 – 3 = 397**  **...** |