

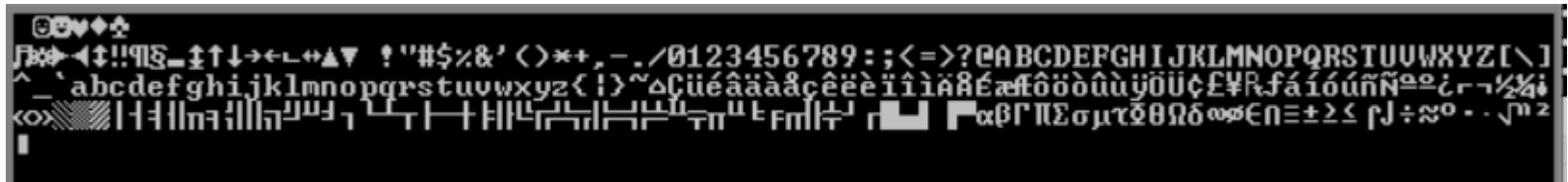
Lab Tasks

Task: 1



- Write an assembly program to print all the ASCII code from 0 to 255. Hints: use **jnz** and **dec** instructions

Sample Output



Lab Tasks

Task: 2



Put the sum of the first 50 terms of the arithmetic sequence
1, 5, 9, 13, ... in DX. **Hints:** Employ LOOP instructions to do the following.

first we find how many loops needed:

(last term – first term)/ difference

$(148 - 1)/3 = 49$ loops

So put cx = 49

Lab Tasks

Task: 3



Put the sum $100 + 95 + 90 + \dots + 5$ in AX. **Hints:** Employ LOOP instructions to do the following.

first we find how many loops needed:

(last term – first term)/ difference

$(100 - 5)/5 = 19$ loops

So put $cx = 19$

Lab Tasks

Task: 4



Read a character and display it **50** times on the next line. **Hints:**
use **LOOP** instructions and put **cx = 50**

Sample Output

Enter a character: d

Ddd
dddd

Thank you.