

## Lab 04 exercise 03

Write a concurrent C program that reads from command line an argument **n**, dynamically allocate an array **v** of size **n**, and read **n** values from **stdin** and store the values in the array. The main process creates **n** processes. The first created child sleeps **n** seconds, the second child sleeps **n-1** seconds, and so on so forth (last created child sleeps 1 second). Each child after sleeping terminates returning as its status code the number of seconds it has slept. The parent must wait for its children sequentially **from the first created to the last one**, printing their return code and the value of **v[i]**, where **i** is the identifier of the process (0 to **n-1**).