

## Lab 04 exercise 01

Make a program **parent-child** that forks a single child process, then it generates and **prints** a random number **n1**, in range [0-10], sleeps for **n1** seconds, waits for its child to exit, retrieves the child's exit code, and **prints** it.

The child **prints** his PID, the parent PID, and sleeps for **n2** seconds, where **n2** is a random number in range [0-10], then it generates a random number **r** in range [0-255], and use it as its return code, then **prints r** and its parent PID, and exits.

Run your program several times, and compare the parent PID printed by the child before sleeping, and the one printed after sleeping. Are they always the same? If not why?