
Larbi Ben M'hidi University – Oum El Bouaghi
Faculty of Exact Sciences and Nature and Life Sciences
Department of Mathematics and Computer Science

Module: Operating Systems II

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Practical Work Series 3

Exercise 1

Write a C program where the parent process sends a greeting string to its child process via an unnamed pipe. The child must read the string and print it. Ensure proper cleanup of pipe ends and process synchronization.

Exercise 2

Create a parent-child pair that communicates in both directions using two unnamed pipes:

1. Parent sends integers 1 to 5 to the child.
2. Child reads each integer, doubles it, and sends the result back.
3. Parent prints both the original and transformed values.