

### Homework 3

1. When this code is executed, process P0 is created, which is the parent of P1, P2, and P3. P1 is the parent of P4, P2 is the parent of P5 and P6, and P3 is only a child. P5 is the parent of P7, and P6 is only a child. Finally, P7 is only a child. A total of 8 processes were created by this program
2. Values at each letter:
  - a. "Child: pid = 0"
  - b. "Child: pid = 3000"
  - c. "Child: value = 1"
  - d. "parent: pid = 3000"
  - e. "parent: pid = 5000"
  - f. "parent: value = 2"
3. The order of the printf statements will be as follows:
  - a. "This is child process 2."
  - b. "This is child process 1."
  - c. "This is parent process."