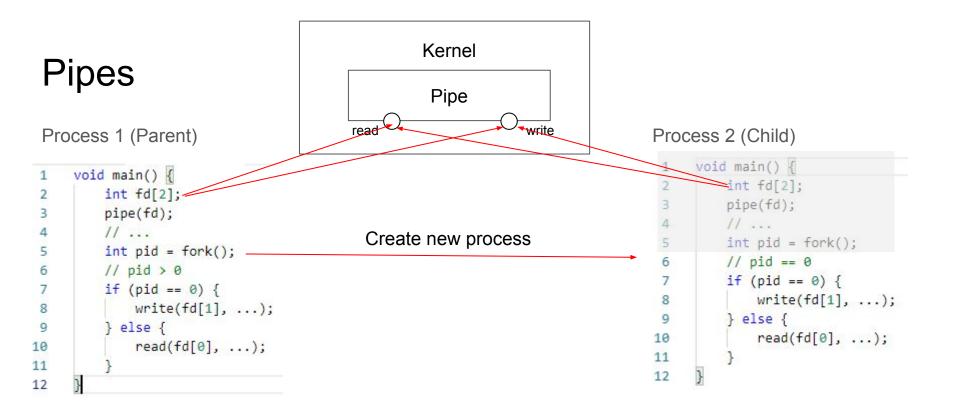
## Fork

```
Process 1 (Parent)
                                                                      Process 2 (Child)
    void main() {
                                                                           void main() {
        int a = 1;
                                                                               int a = 1;
        // ...
        int pid = fork();
                                     Create new process
                                                                               int pid = fork();
        // pid > 0
                                                                               // pid == 0
        if (pid == 0) {
                                                                               if (pid == 0) {
           a = 7;
                                                                                   a = 7;
         else {
                                                                                 else {
 9
           a = 3;
                                                                                   a = 3;
10
                                                                      10
11
                                                                      11
                                                                                  Different variables
```

Parent process address space is copied



Child process copies parent pipe descriptors