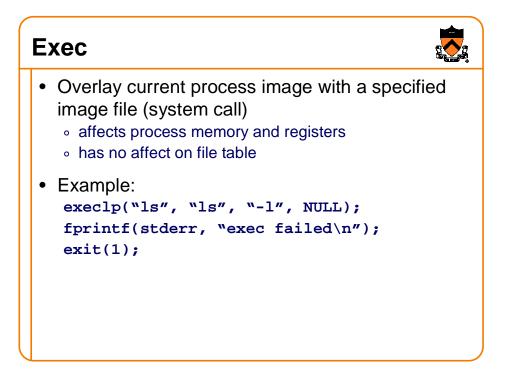
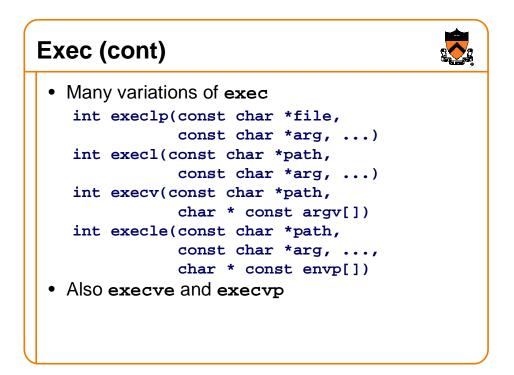


Fork	
 Inheritted: user and group IDs environment close-on-exec flag signal handling settings supplementary group IDs set-user-ID mode bit profiling on/off/mode status debugger tracing status nice value stdin scheduler class all shared memory segments all mapped files file pointers non-degrading priority process group ID session ID current working directory ride creation mask resource limits controlling terminal all machine register states control register(s) 	 Separate in child process ID address space (memory) file descriptors active process group ID. parent process ID process locks, file locks, page locks, text locks and data locks pending signals timer signal reset times share mask





Fork/Exec



```
• Commonly used together by the shell
... parse command line ...
pid = fork())
if (pid == -1)
  fprintf(stderr, "fork failed\n");
else if (pid == 0) {
    /* in child */
    execvp(file, argv);
    fprintf(stderr, "exec failed\n");
}
else {
    /* in parent */
    pid = wait(&status);
}
... return to top of loop ...
```

