

Hand-written Assignment 5

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Form

	Model 1	Model 2
Section A	<pre>int n, pfd[3][2]; char buf[1024]; pipe(pfd[0]); pipe(pfd[1]); pipe(pfd[2]);</pre>	<pre>int n, pfd[2]; char buf[1024]; pipe(pfd);</pre>
Section B		
Section C	<pre>dup2(pfd[i-1][1], STDOUT_FILENO); close(pfd[0][0]); close(pfd[0][1]); close(pfd[1][0]); close(pfd[1][1]); close(pfd[2][0]); close(pfd[2][1]);</pre>	<pre>dup2(pfd[1], STDOUT_FILENO); close(pfd[0]); close(pfd[1]);</pre>
Section D	<pre>close(pfd[i-1][1]);</pre>	
Section E	<pre>while (wait(NULL) > 0); for (i=0; i<3; i++) { while ((n = read(pfd[i][0], buf, 1024)) > 0) { write(STDOUT_FILENO, buf, n); } close(pfd[i][0]); }</pre>	<pre>close(pfd[1]); while (wait(NULL) > 0); while ((n = read(pfd[0], buf, 1024)) > 0) { write(STDOUT_FILENO, buf, n); } close(pfd[0]);</pre>