**USP Week 9 Lab Assignments**

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| **1** | **Implement client - server communication using pipes.**  **Client sends a string**  **Server makes the first char uppercase and sends it back**  **Hint: require two pipes** |
| **2** | **Create a message queue with the following message structure.**  **char cmd[5];**  **int val;**  **cmd takes strings sqr or cube.**  **Server receives the messages into input msg queue from multiple clients.**  **Based on the cmd, server squares or cubes the value in val and sends the message through an output msg queue.**  **Each client should receive his message.**  **What happens if the message queue is removed**  **a) when the queue contains # of messages**  **b) when the client is waiting to read a message** |