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This program simulates a data hub, which contains a message queue that receives messages from 3 different probes. Each probe generates a random number that is divisible by its particular magic seed. Afterwards, it sends that particular value, along with additional data, to the data hub to be interpreted. All 3 probes are terminated differently. Probe A terminates when it generates a value less than 100. Probe B terminates when the data hub has received 10,000 messages. Probe C terminates when a specific command is executed within the terminal. Probe A is the only probe to receive confirmation messages from the data hub. Significantly sized magic seed values are used within each probe to slow down their message sending frequencies. After all 3 probes have terminated, the data hub outputs statistical data, deletes the queue, and finally terminates.