

CSCI 315 Operating Systems Design Activity 7

Please make sure you don't work alone in this activity. All questions below concern *Interprocess Communication (IPC)*.

1) Give an example of an IPC mechanism that is indirect.

2) Explain whether Unix *pipes* may be a direct or an indirect form of IPC.

3) Consider Unix *pipes* and how the mechanism maps to the IPC properties we have discussed. Among the properties below, circle those that apply to *Unix pipes*.

- Unidirectional or bidirectional
- Blocking send or non-blocking send
- Blocking receive or non-blocking receive
- Zero capacity, bounded capacity, or unbounded capacity
- Point-to-point or point-to-multipoint
- Reliable delivery or unreliable delivery
- Order preserving (FIFO) or non-order preserving