Q7.
Solution:

Inter Process communication can be done in various ways:

Sockets: It is one of the way of IPC where a socket is created by the Application 1. The socket is bounded to a port to which the Application 2 will connect to after getting the control. And they can start communicating over this port.
However, since we cannot share the data or information/variables hence this is not the method we can go ahead with as the constraint mentioned in the question.

Message Queues/PIPES: This is another method where IPC is done. Here Application 1 and Application 2 share the message queue which is a FIFO where Application 2 writes the data to and queue and Application 1 reads from the same message queue in FIFO order.
However, since we cannot share the data or information/variables hence this is not the method we can go ahead with as the constraint mentioned in the question

Signals/Event Driven: This is the method where we can use event driven/signal mechanism. Here the Application 2 generates signals or Events are triggered at regular intervals so that the Application 1 is notified and hence can be communicated. Here the data/information is not shared directly but emitted through events as signals and hence we can use this mechanism in this scenario.

Event-Driven Systems/ Signal Based Mechanism