

MPCS51050 Lab 3 - Messages, Pipes and Filters,
Message Queues, Message Channels, Message Endpoints
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- In this lab project, the follow classes are constructed:
 - Driver (where main method is located)
 - Message (abstract class)
 - QueryMsg (extended from Message, with header “REQUEST”)
 - ReplyMsg (extended from Message, with header “REPLY”)
 - MessageQueue (a data structure that is FIFO, and supports add, pop, peek, and isEmpty operations)
 - Responder (supports processQueue and addRequest operations, the interface between user and programmer)
 - In this project, the Responder convert int in QueryMsg into Roman numeral to form RelyMsg
- The main method simply takes a queue, prints out the QueryMsg and their corresponding ReplyMsg