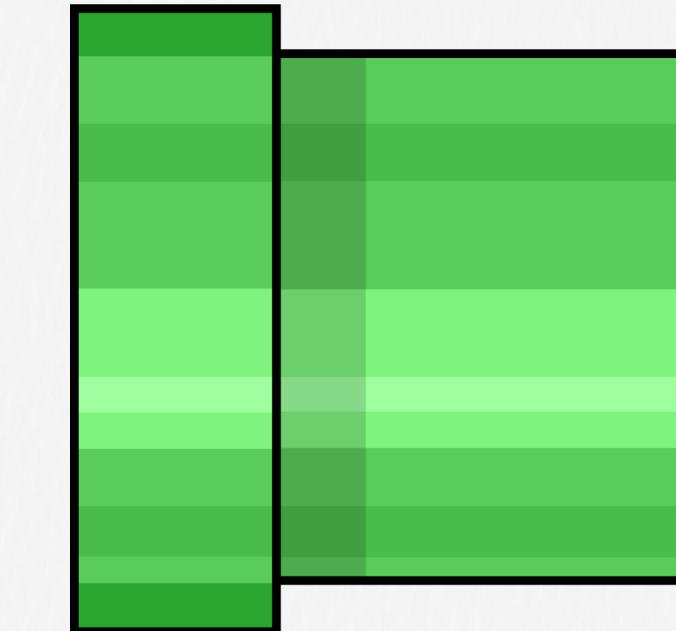
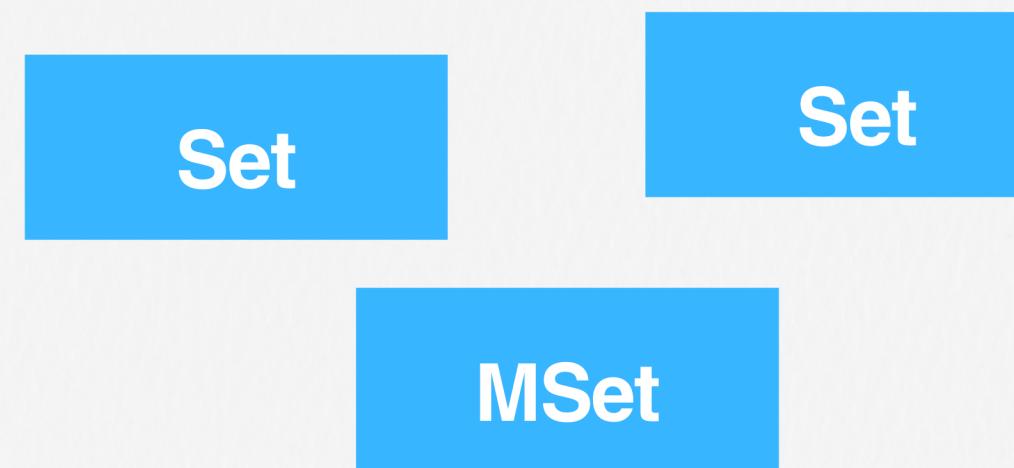


Pipeline

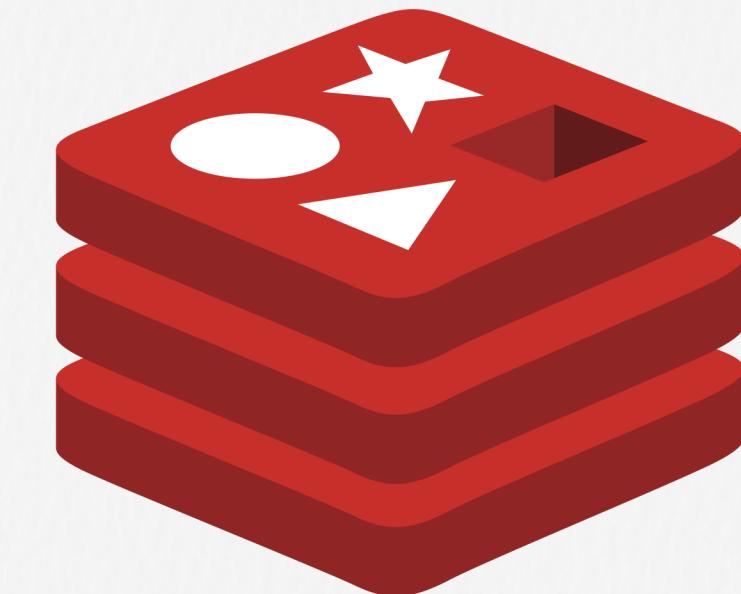
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- Mechanism for **sending multiple commands to the server in a single request and receiving the responses later.**
- Pipelining can **significantly improve the efficiency of certain operations**, especially when you need to execute multiple commands sequentially

Application



Redis



Pipeline workflow

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- **Queue Commands:** Instead of sending each command individually and waiting for a response before sending the next one, with pipelining, you queue up multiple commands on the client side.
- **Send Commands:** Once all the commands are queued, you send them to the server in a single batch request.
- **Process Commands:** The server processes each command in the batch and prepares the responses.
- **Receive Responses:** After all the commands are executed on the server side, the responses are sent back to the client.
- **Process Responses:** The client receives the responses and processes them accordingly.