In contrast to HTTP/2, HTTP/3 builds on UDP instead of TCP.

Through integrated TLS 1.3 encryption, HTTP/3 foregoes an additional encryption request (handshakes) at the TLS level, and thus avoids unnecessary security queries.

In contrast to HTTP/2, HTTP/3 only supports encrypted connections due to the integrated TSL 1.3 encryption.

UDP Vs TCP  
https://www.geeksforgeeks.org/differences-between-tcp-and-udp/