**TCP (Transmission Control Protocol):**

* TCP is a connection oriented protocol.
* It first establishes a connection between both the ends (source and destination host) before data transmission.
* At the sending end TCP divides a stream of data into smaller units called segments.
* It provides error control and flow control.

**UDP (User Datagram Protocol):**

* UDP is a connection-less protocol.
* Transmits user datagram without first creating a logical connection.
* Each datagram from a user is an independent entity.