01:25

DDCMP
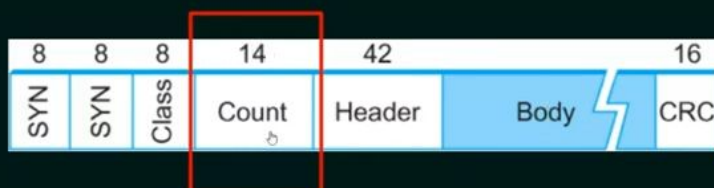
★ Byte–oriented communication protocol.

★ Devised by Digital Equipment Corporation.

★ It is a byte–counting approach.

★ Count field in the frame format.

★ **Count:** How many bytes are contained in the frame body?

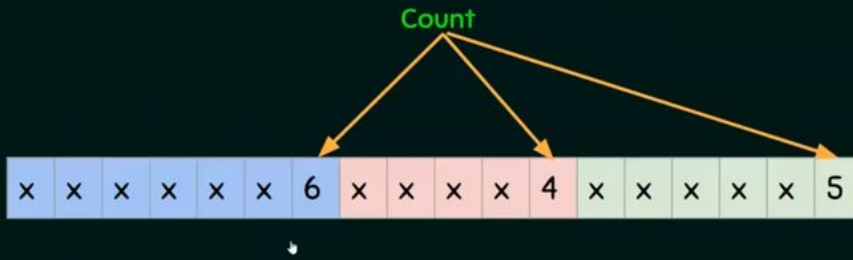NESO ACADEMY

02:44

DANGER WITH THE COUNT FIELD

One danger with this approach is that if transmission error could corrupt the count field then the end of the frame would not be correctly detected by the receiver.
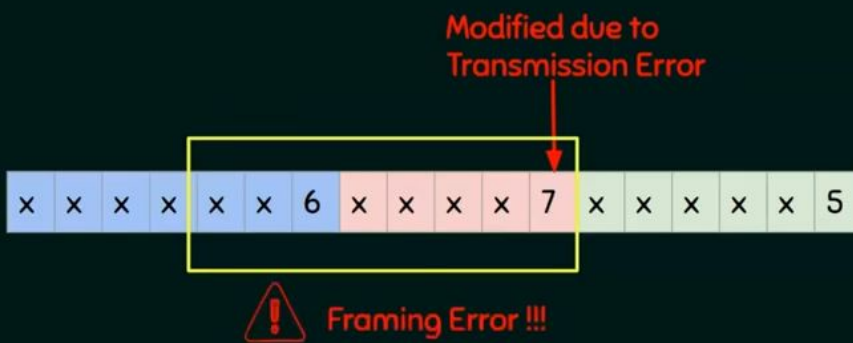
8	8	8	14	42		16
SYN	SYN	Class	Count	Header	Body	CRC

NESO ACADEMY

03:33

DANGER WITH THE COUNT FIELD

Count

| x | x | x | x | x | x | 6 | x | x | x | x | 4 | x | x | x | x | x | 5 |

NESO ACADEMY

04:09

DANGER WITH THE COUNT FIELD

Modified due to
Transmission Error

| x | x | x | x | x | x | 6 | x | x | x | x | 7 | x | x | x | x | x | 5 |

⚠ Framing Error !!!

NESO ACADEMY