

## DCN – Assignment 2

1. Write a socket program for **character count** framing technique.  
Take data from user.

**Dataword :** AB CDE FGHI

2. Write a socket program for **byte(character) stuffing** framing technique. Take data from user.

**Dataword :** \*AB\*#\*CD\*

**FLAG :** \*

**ESC :** #

3. Write a socket program for **bit stuffing** framing technique. Take data from user.

**Dataword :** 01101111101

**FLAG :** 01111110

4. Write a socket program for **signal parity bit** error detection technique.

**Dataword :** 25

5. Write a socket program for **2 D parity bit** error detection technique.

**Dataword :** 101101011110111

6. Write a socket program for **checksum** error detection technique.

**Dataword :** 4 5 6 7 8 9

7. Write a socket program for **CRC** error detection technique.

**Dataword :** 1010

**Divisor :** 1011

8. Write a socket program for **Hamming code** error correction technique.

**Dataword :** 1024S