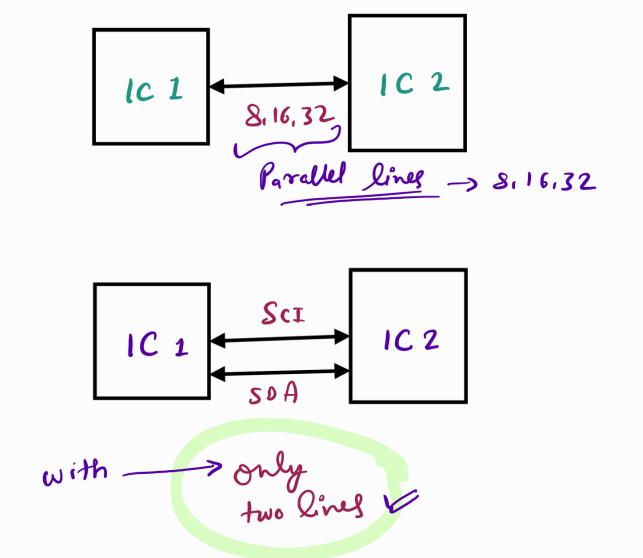
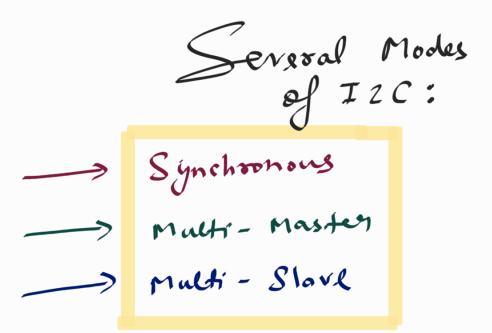
PHILIPS

Inter- Integrated Circuit AGENDA: J2C Protocol -> Write & Read
Operation
Implementation of MASTER & SLAVE
Clock Stoe teling

Implementation of MASTER & SLAVE
with Clock Stretching

Bit Banging





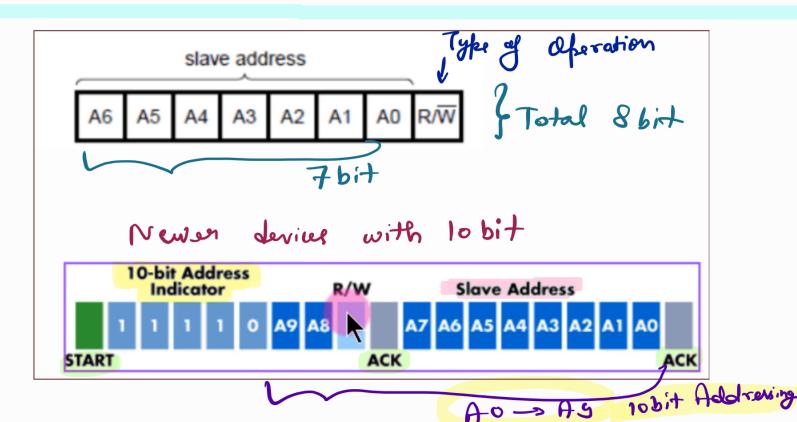
Standard mode: 100-kHz SCL frequency, transferring data between devices at 100 kbit/sec

Fast mode: 400-kHz SCL frequency, transferring data between the controller and peripherals at 400 kbit/sec//common Model

Fast mode plus: 1-MHz SCL frequency, transferring data between the controller and peripherals at 1 Mbit/sec

High-speed mode: Up to 3.4-MHz SCL frequency, transferring data between the controller and peripherals at up to 3.4 Mbit/sec

*Ultra-fast mode*: 5-MHz SCL frequency, though data transmission is unidirectional only



Oben-Drain Interface

I2C Supposit multiple Master