## << interface >> IMACProtocol

- + initialize(MACAddress : int)
- + transmitPacket(packet : PacketCore)
- + receiveFrame()

## Interfacel2C

- instance : InterfaceI2C
- INT\_SIZE\_IN\_BYTES : byte
- BYTE SHIFT COUNTER: byte
- FRAME SIZE IN BYTES: byte
- frameByteIndex : int
- I2CPort : I2Cport
- + getInterface(): InterfaceI2C
- interfaceI2C()
- + initialize(MACAddress : int)
- + transmitPacket(packet : PacketCore)
- + receiveFrame()
- + mergeNextDataBytesReceived

AndINsertIntoInteger()

+ mergeNextDataBytesReceived

AndInsertIntoInteger()

+ insertNextHopAddressIntoFrame(frame : int[],

nextHopAddress : byte)

+ sliceDataIntoBytes

AndInsertIntoFrame(frame: int[], data: int)

+ position(index : int)

## InterfaceLoopback

- instance : InterfaceLoopback
- + getInterface(): InterfaceLoopback
- InterfaceLoopback()
- + initialize(MACAddress : int)
- + transmitPacket(packet : PacketCore)
- + receiveFrame()