

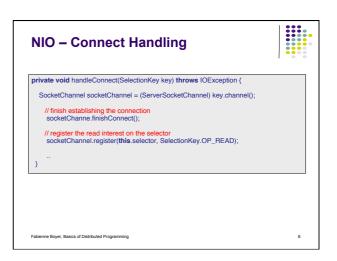
```
public class NioClient implements Runnable {
    private InetAddress address;
    private InetAddress address;
    private SocketChannel clientChannel;
    private SocketChannel clientChannel;
    private Selector selector;

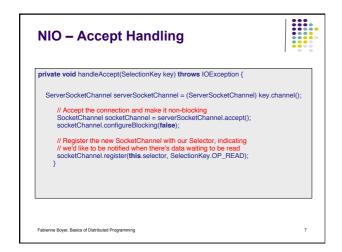
public NioClient(InetAddress hostAddress, int port) throws IOException {
        this.hostAddress = hostAddress, int port) throws IOException {
        this.port = port;
        selector = SelectorProvider, provider(), openSelector();
        // Create a new non-blocking socket channel
        clientChannel = SocketChannel.open();
        clientChannel = SocketChannel.open();
        clientChannel.configureBlocking(false);
        // Be notified when connection is accepted
        clientChannel.register(selector, SelectionKey.OP_CONNECT);

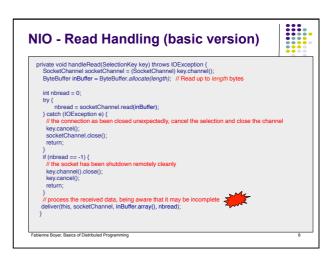
        // Connect to the server
        clientChannel.connect(new InetSocketAddress(hostAddress, port));
    }

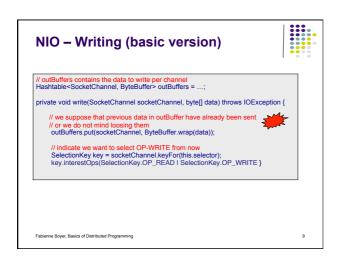
    public static void main(String[] args) {
        try { new Thread(new NioClient(null, 8888)).start(); } catch (IOException) ...

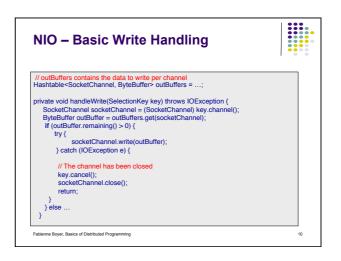
4
```











## **NIO Buffers** Attributes Position (next index for read/write) Limit (maximum number of bytes that can be read / written) • remaining() always returns the value of limit - position • ByteBuffer buf = ByteBuffer.wrap (byte[] b) assigns b as the buffer content, set (write) position to 0 and limit to b.length socketChannel.write(buf) send what can be send, update (write) position ByteBuffer buf = ByteBuffer.allocate(128); set (read) position to 0 and limit to 128 socketChannel.read(buf) read what can be read, update (read) position Bytefl b = buf.array() assigns b with the buffer content set (read / write) position to 0

