MESSAGE PACKING & UNPACKING

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WHAT'S THE PROBLEM IN THIS CHATROOM DEMO?

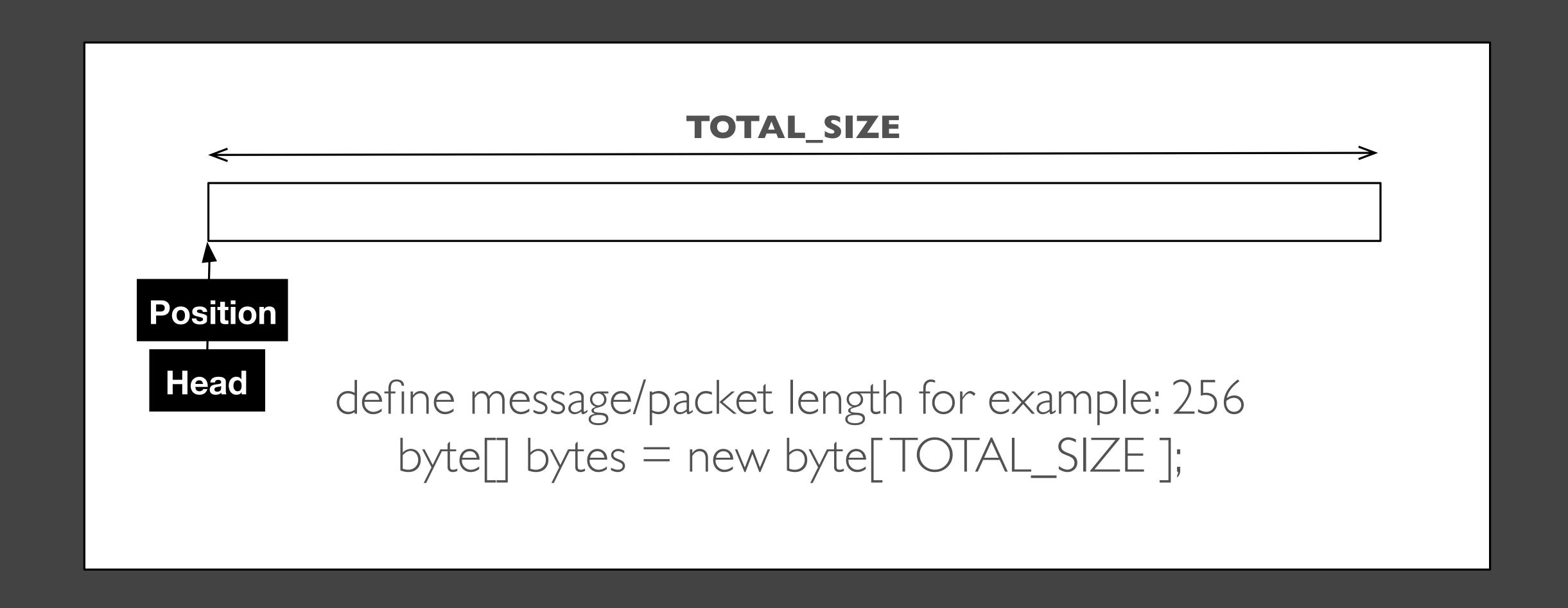
- An event/structure to replace sending string
- Thread termination
- TcpClient close
- Lock issue
- CPU cost by "while" / blocking API
- Memory footprint

Message ID Data 0 Data 1 Data 2 Data 3

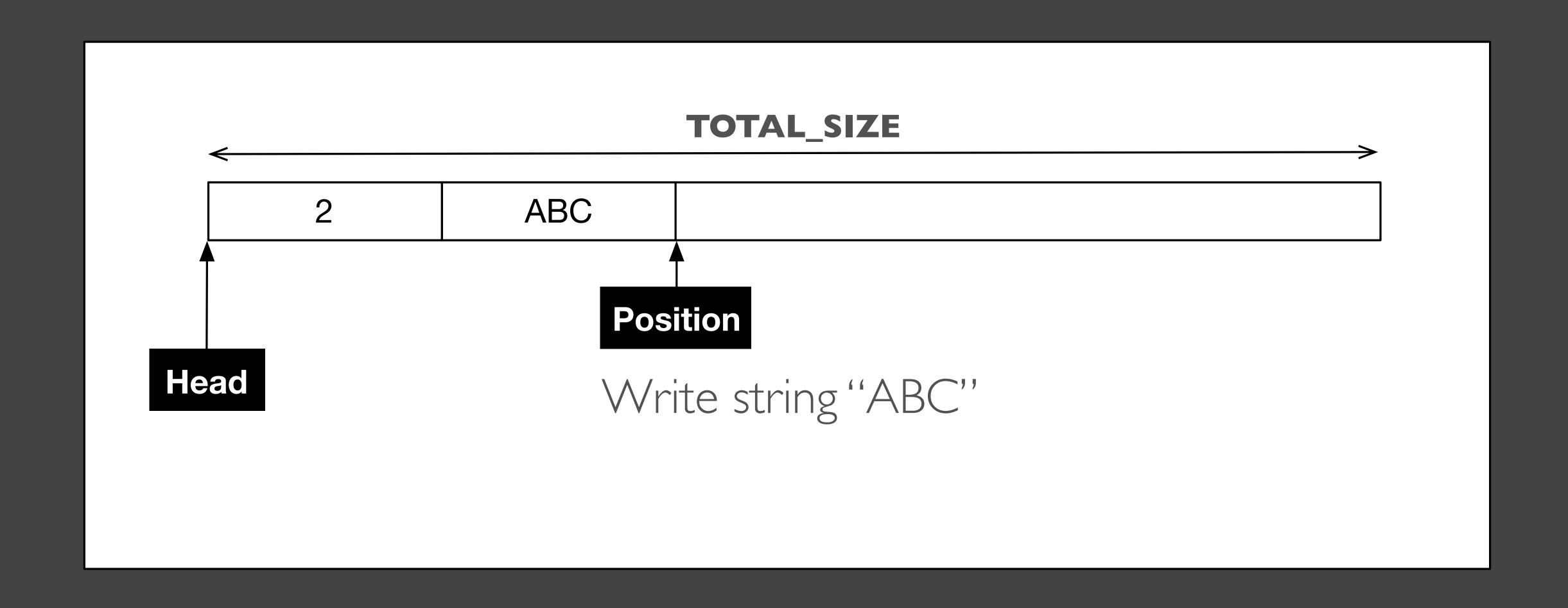
Message ID

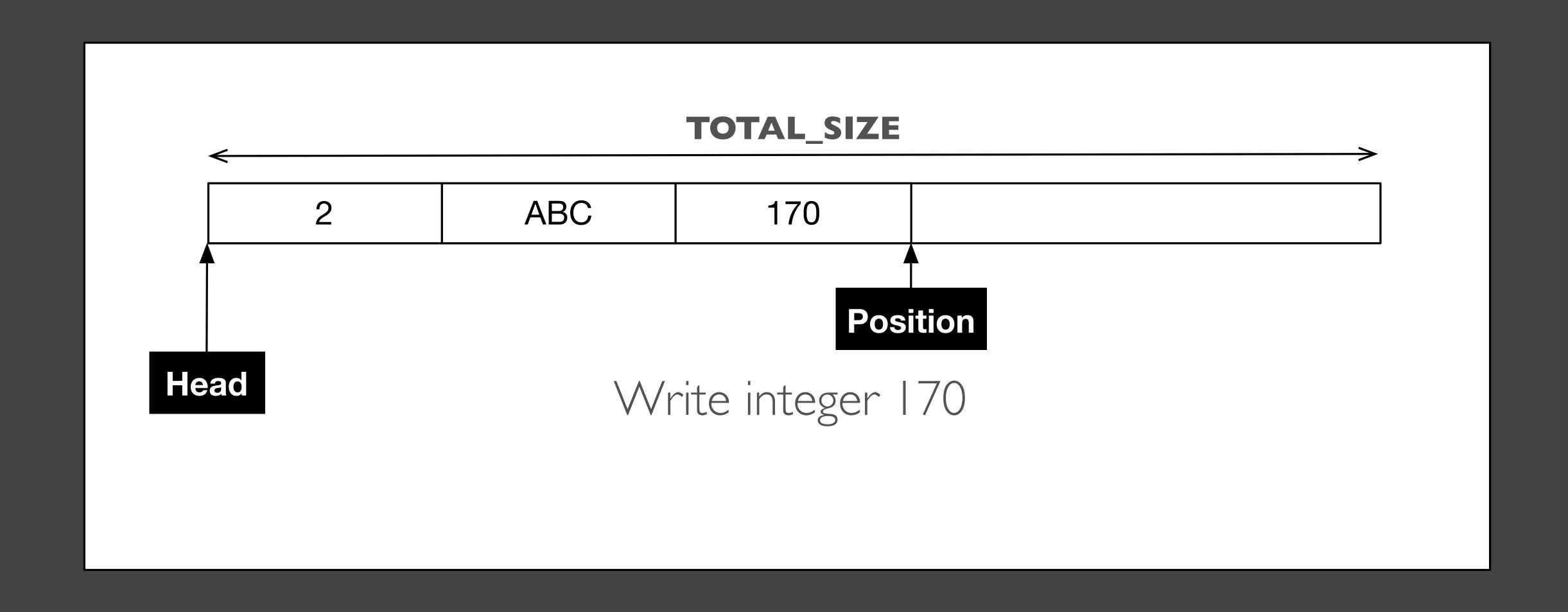
use constant integer as ID

for defining the structure of transferring data

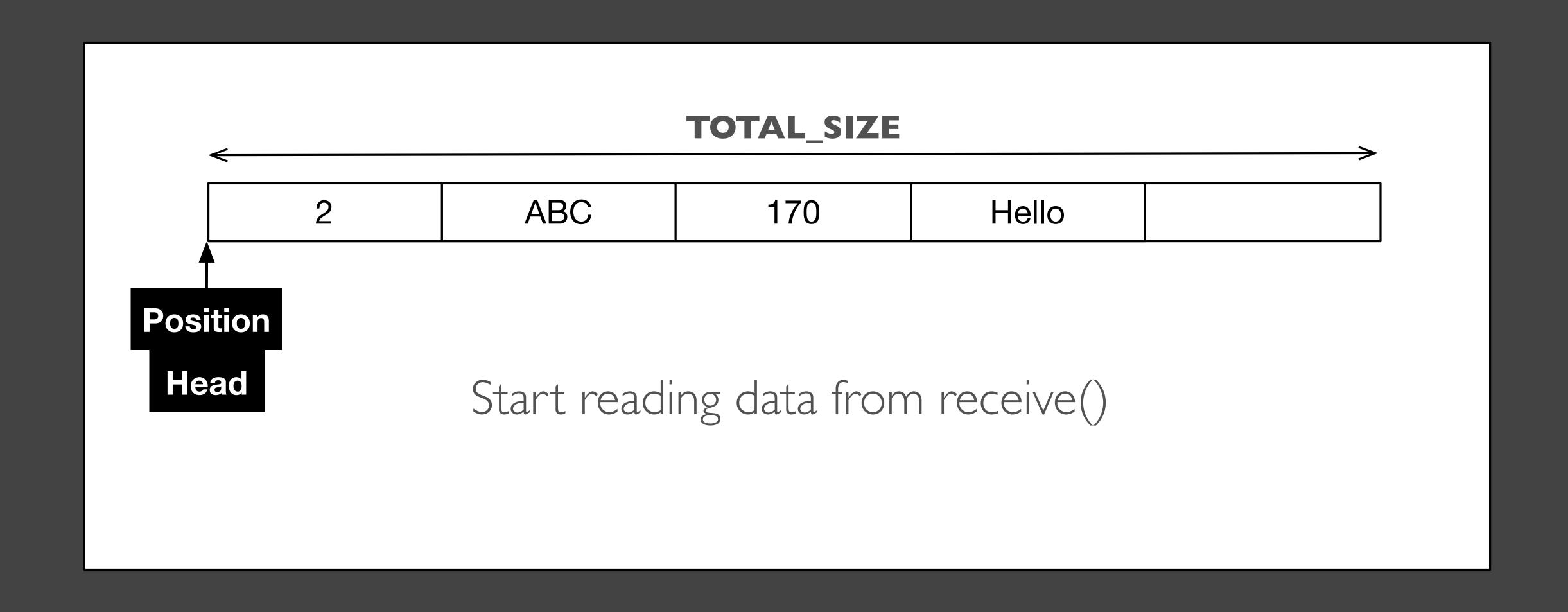




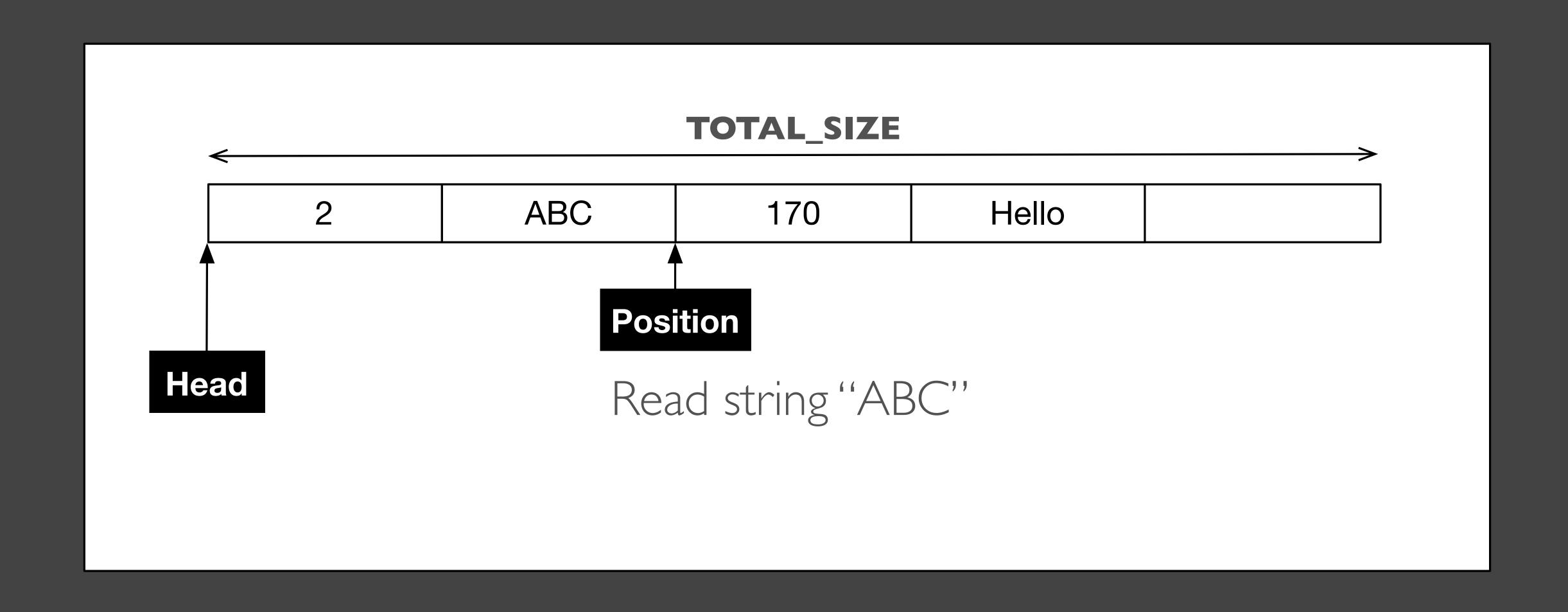


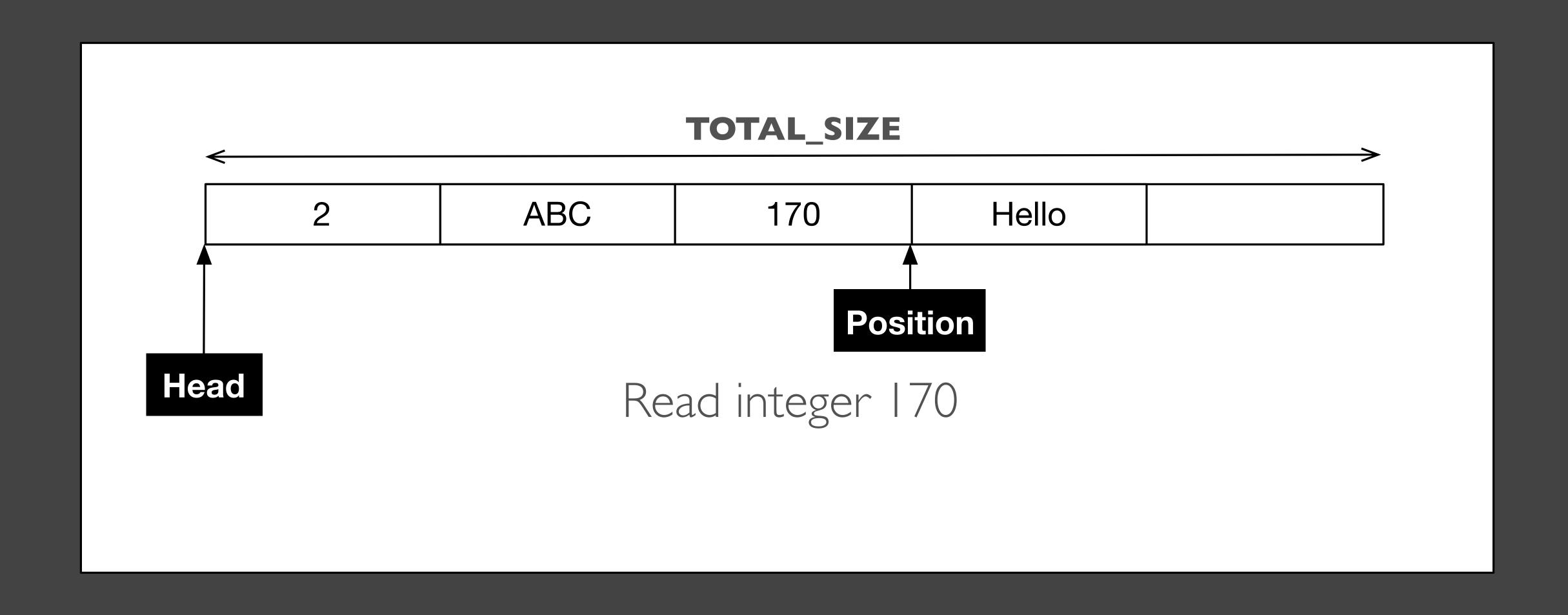














EXERCISE 1

Client pack message then send to server for unpacking

Length?

Message ID	Length	Data 0	Data 1	Data 2	Data 3
Length	Message ID	Data 0	Data 1	Data 2	Data 3

We usually need "Length" to indicate how long the message is

EXERCISE 2

Add Length to package

MORE ABOUT MESSAGE PACKING / UNPACKING

Message 1 Message 2 Message 3 Message 4

There's different meaning in "Message" and "Packet"
We might also need to know how many messages in a packet

Switch Protocol to

Struct/Buffer format

or

JSON format

Switch Protocol to Struct/Buffer format

