

Chapter 24

Hypertext Transfer Protocol (HTTP)

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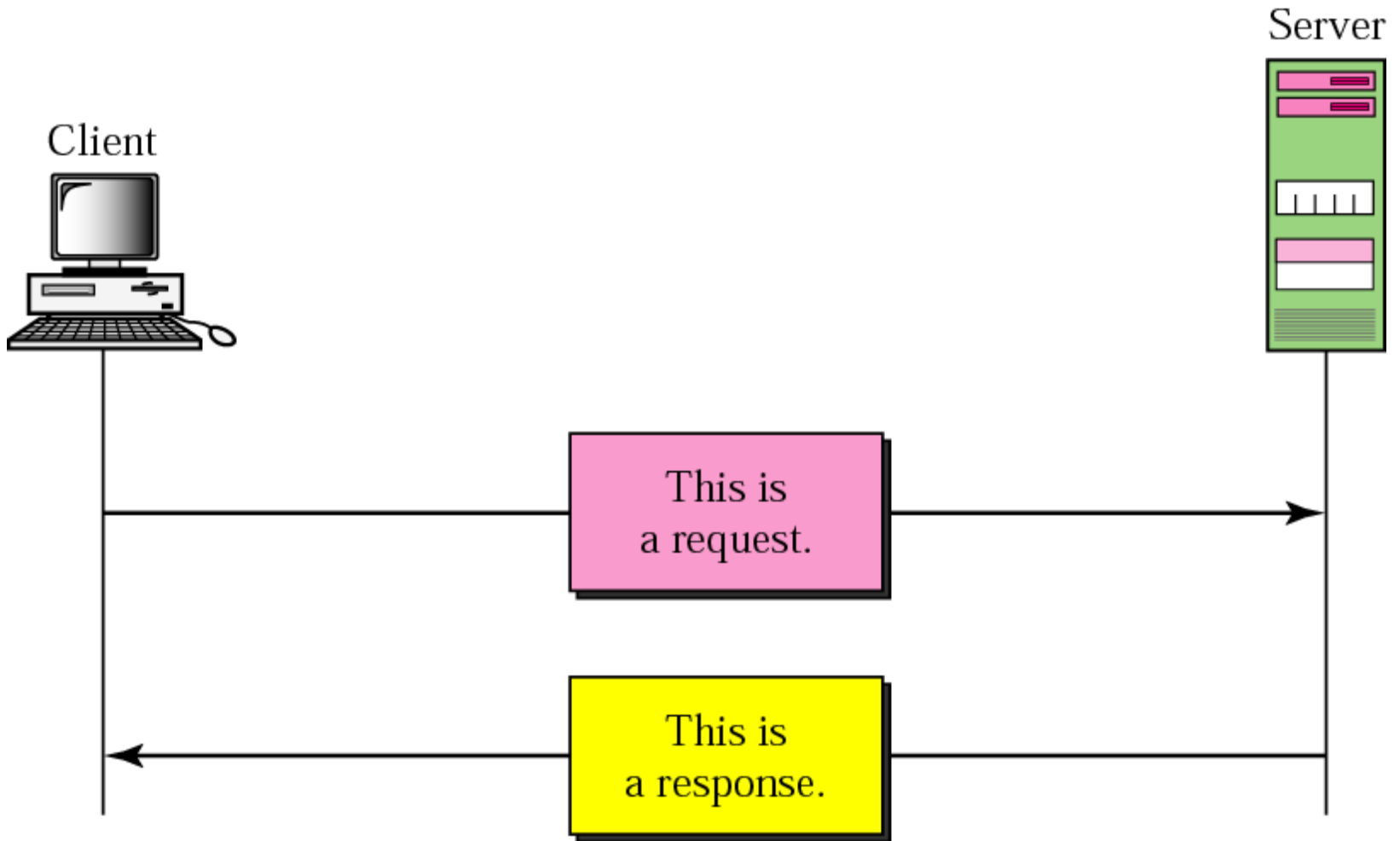
*HTTP uses the services of
TCP on well-known port 80.*

24.1

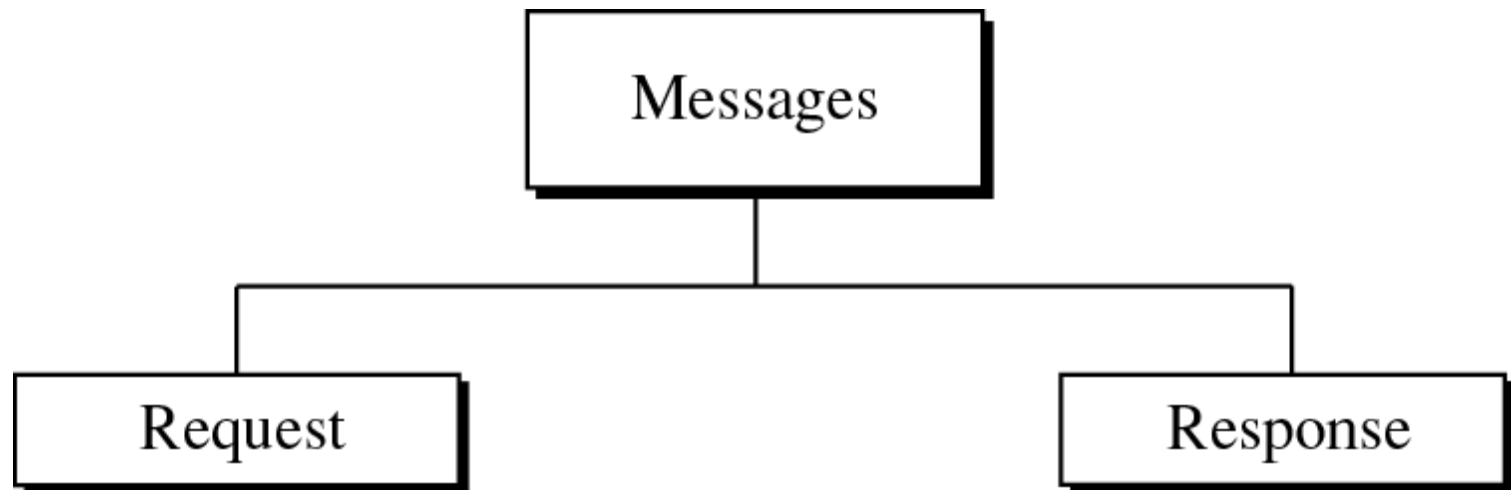
HTTP TRANSACTION

Figure 24-1

HTTP transaction



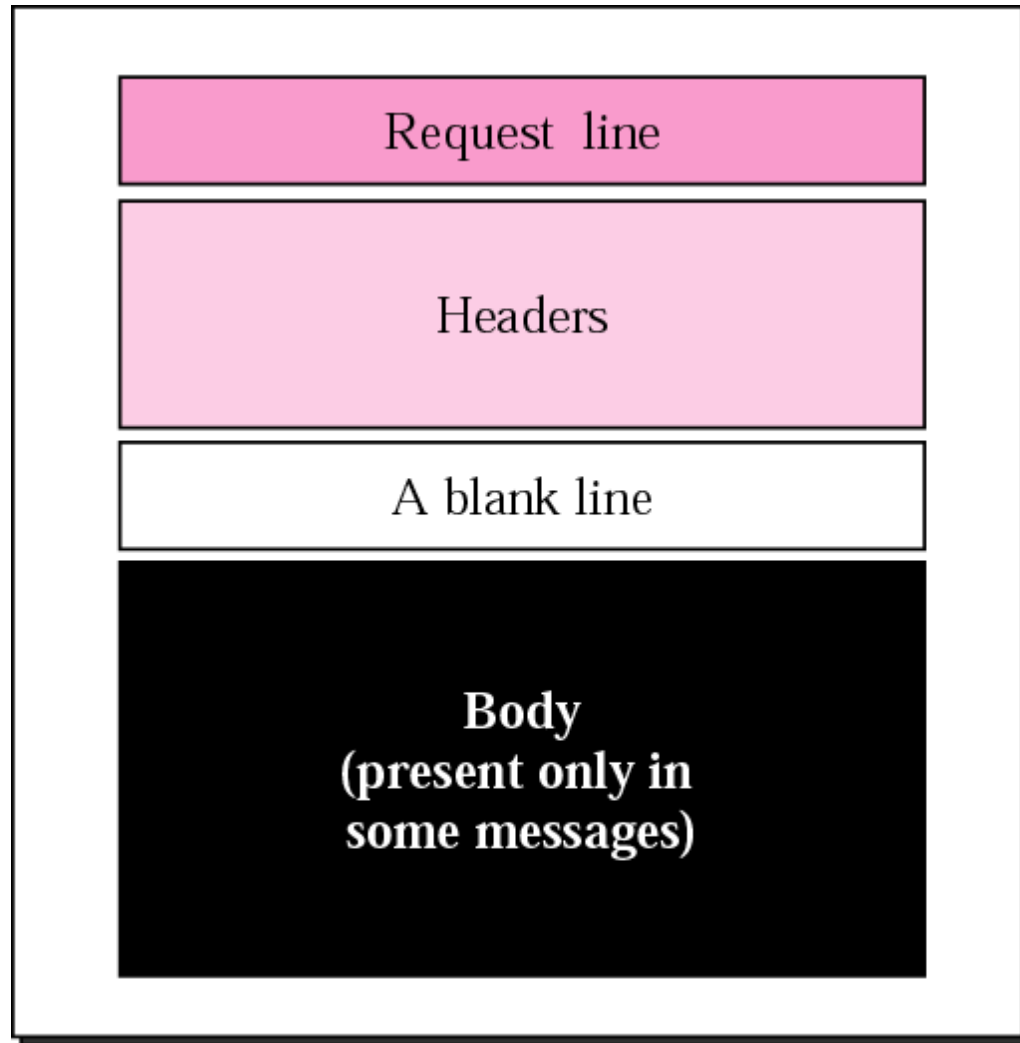
Message categories



24.2

REQUEST MESSAGE

Request message

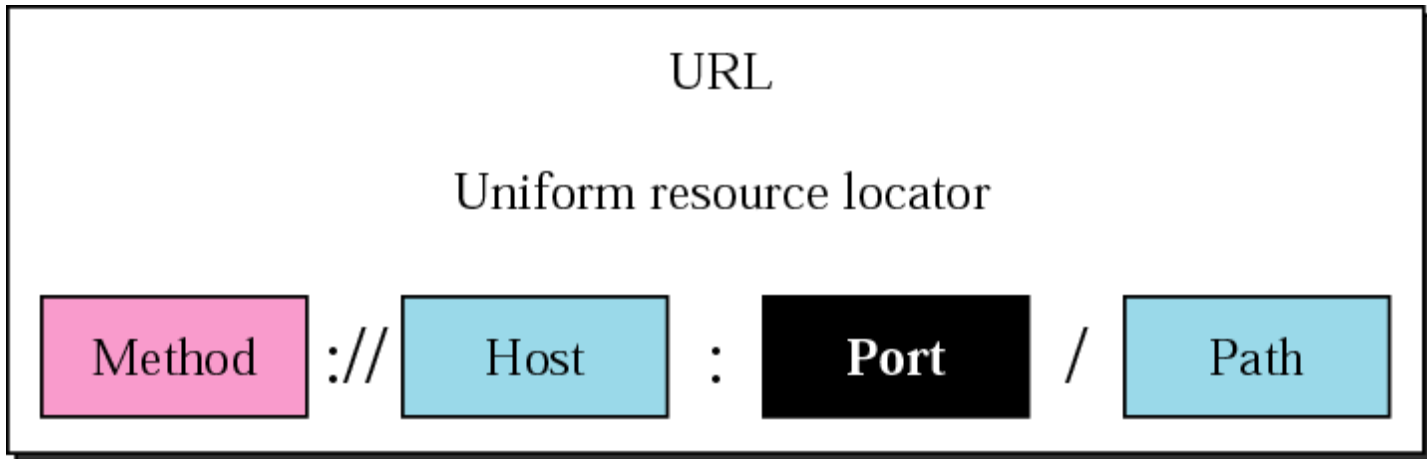


Request message

Request line



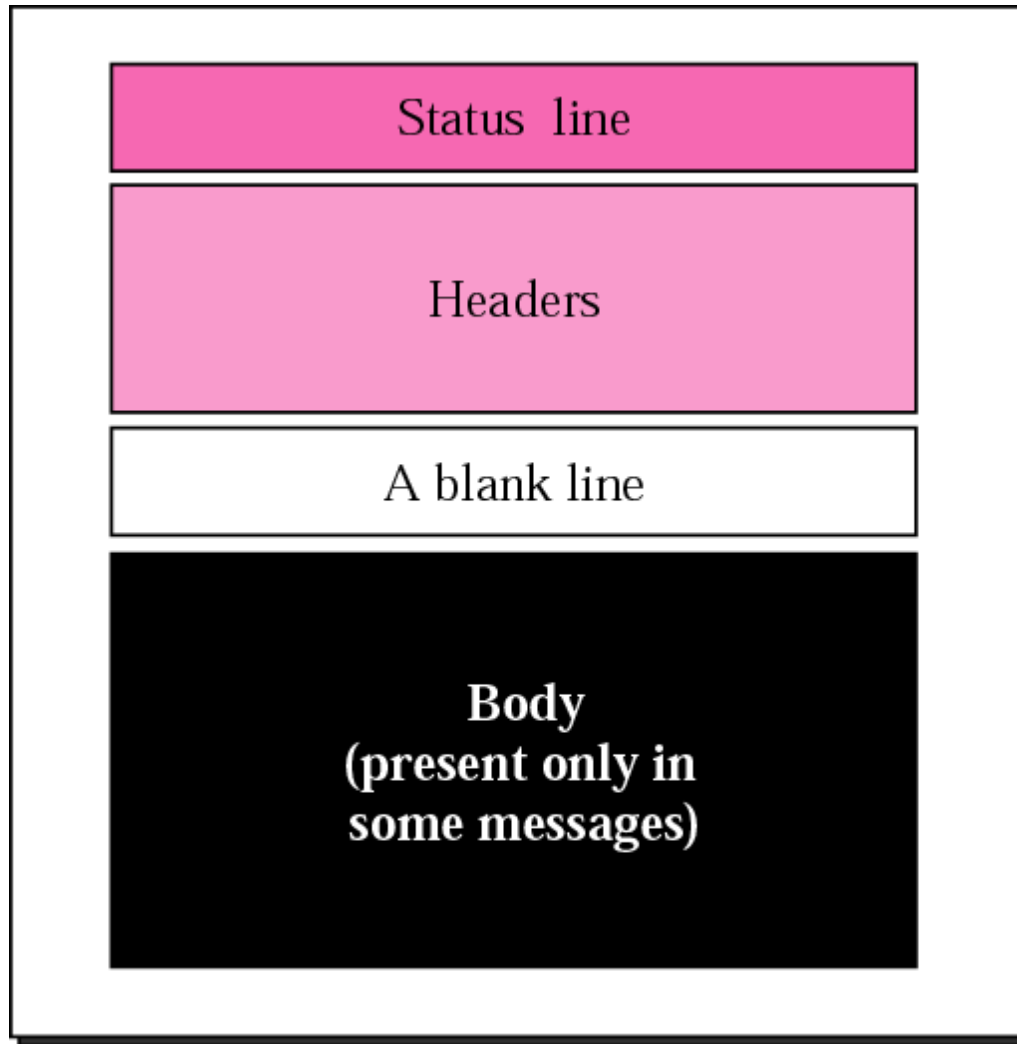
URL



24.3

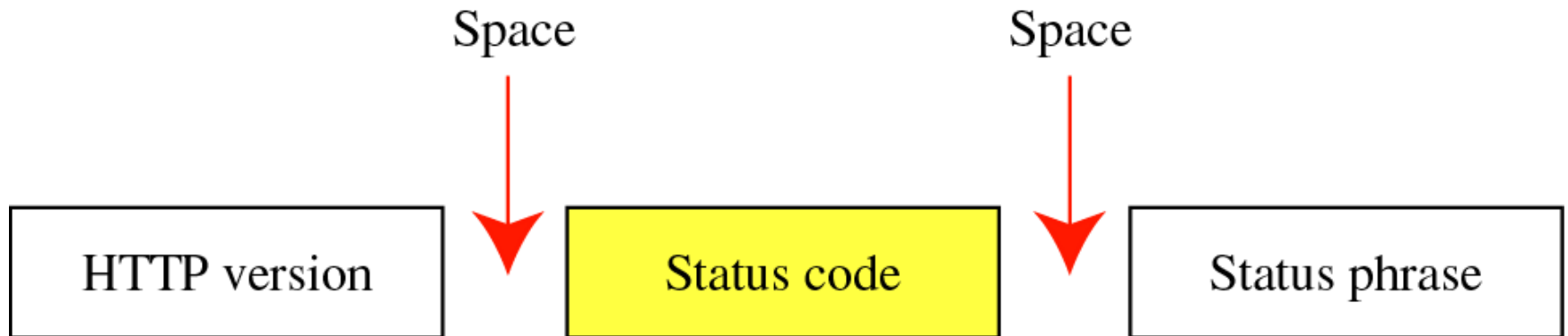
RESPONSE MESSAGE

Response message



Response message

Status line

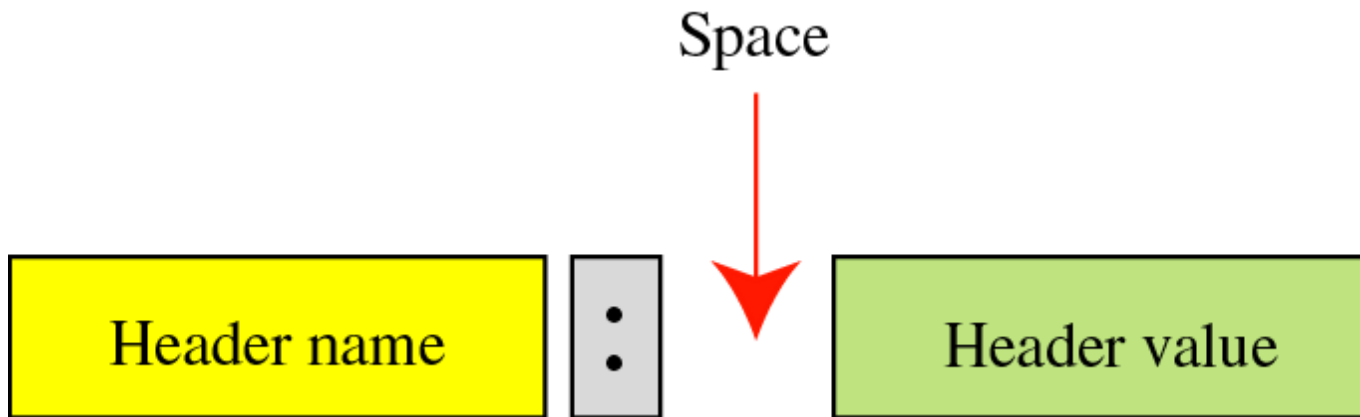


Status code: Same format as FTP responses (three digits)

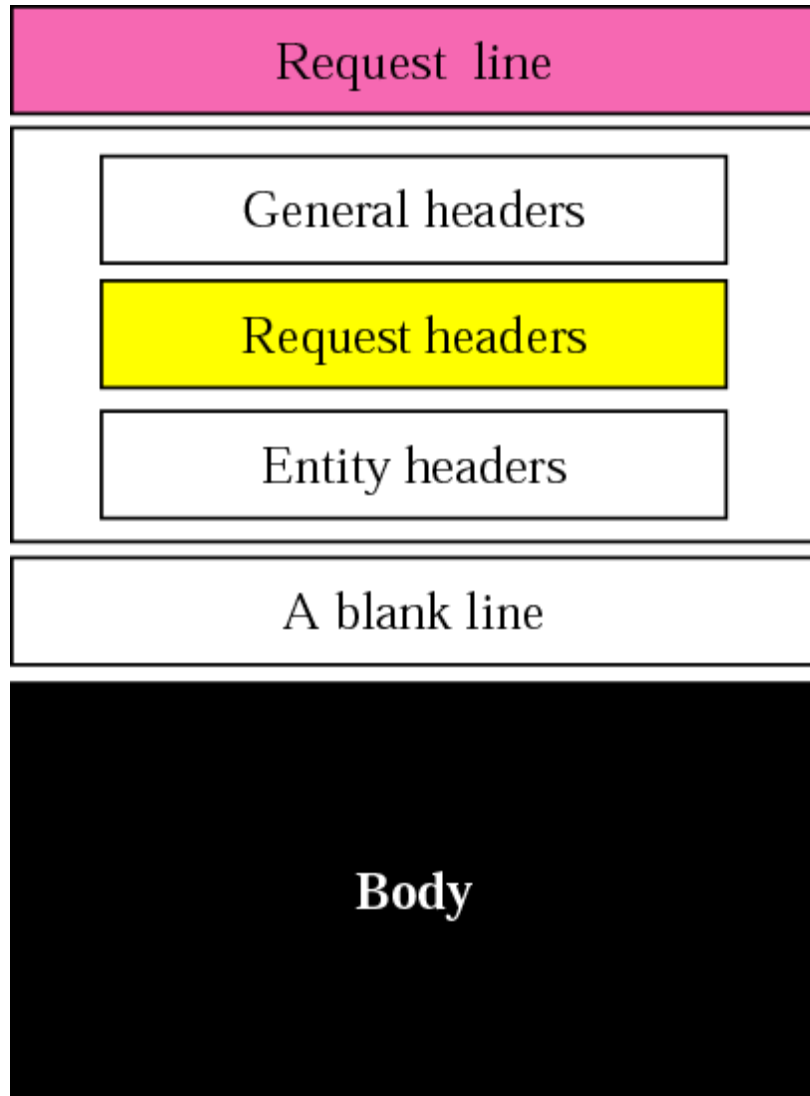
24.4

HEADER

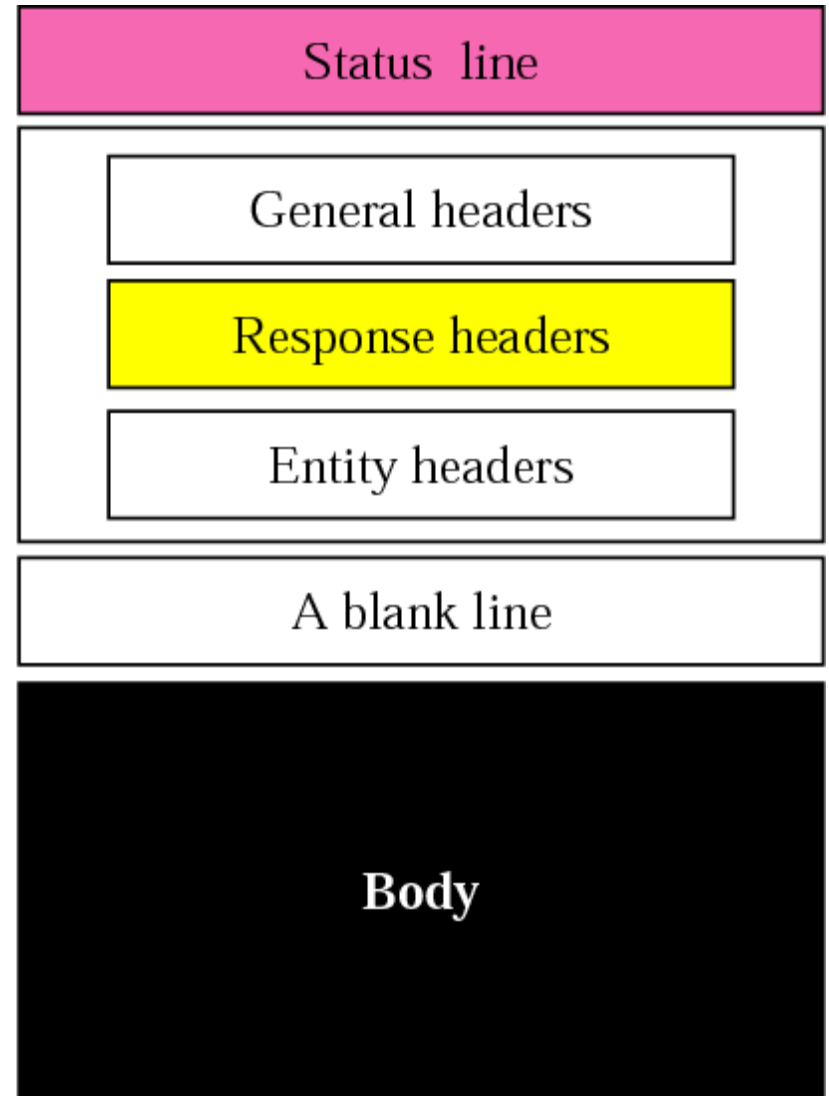
Header format



Headers



Request message



Response message

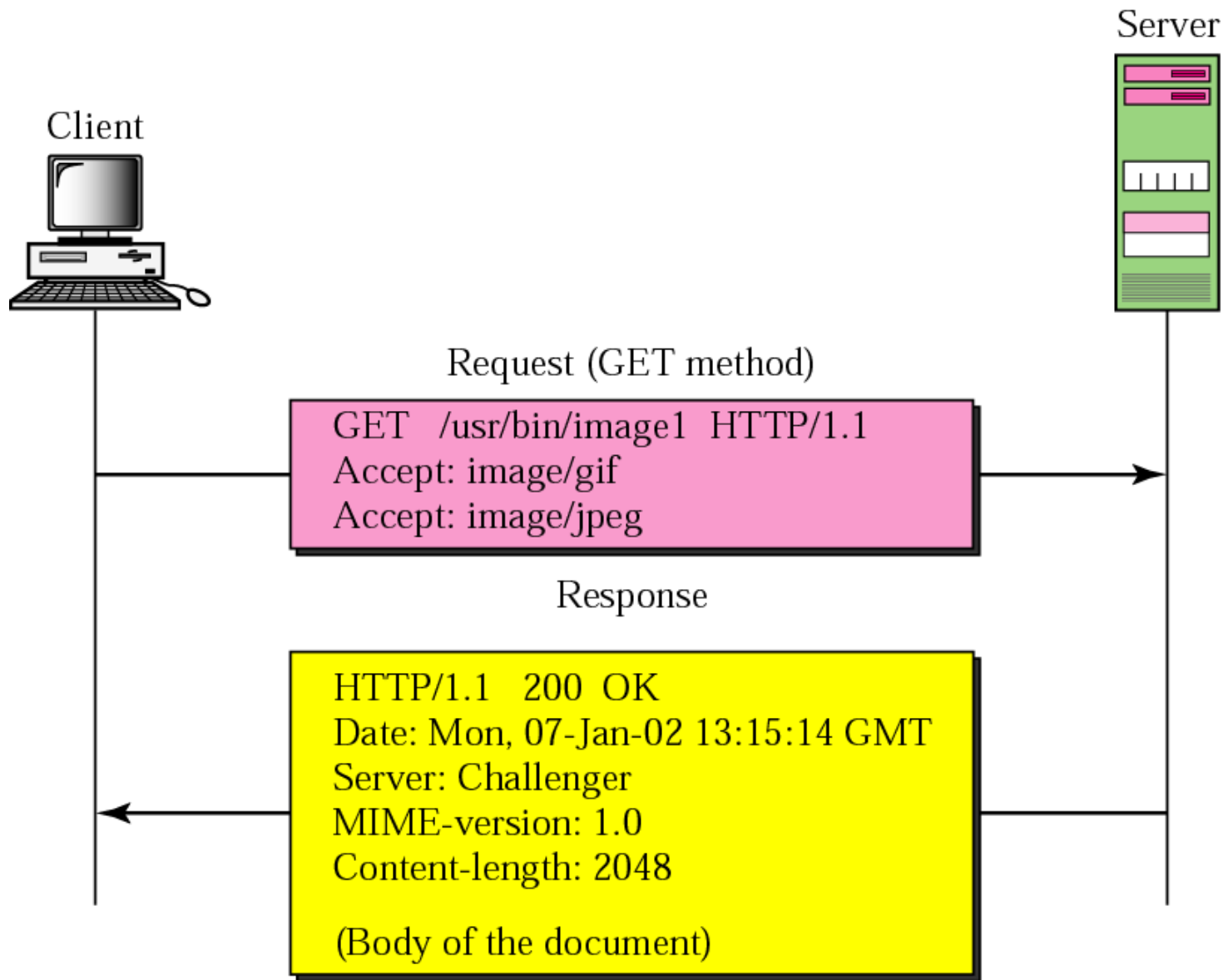
24.5

EXAMPLES

Example 1

This example retrieves a document. We use the GET method to retrieve an image with the path /usr/bin/image1.

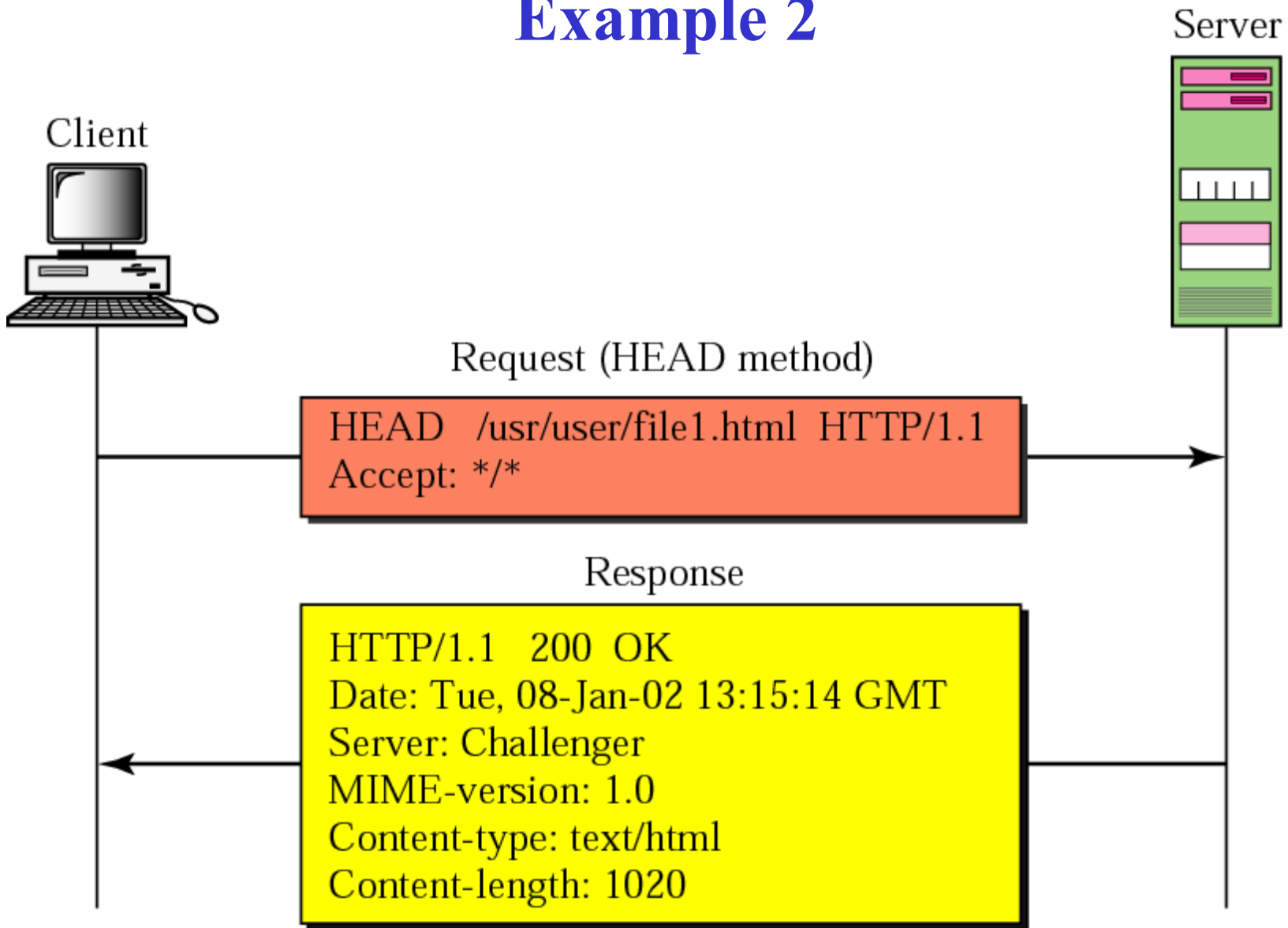
Example 1



Example 2

This example retrieves information about a document. We use the HEAD method to retrieve information about an HTML document (see Chapter 25)

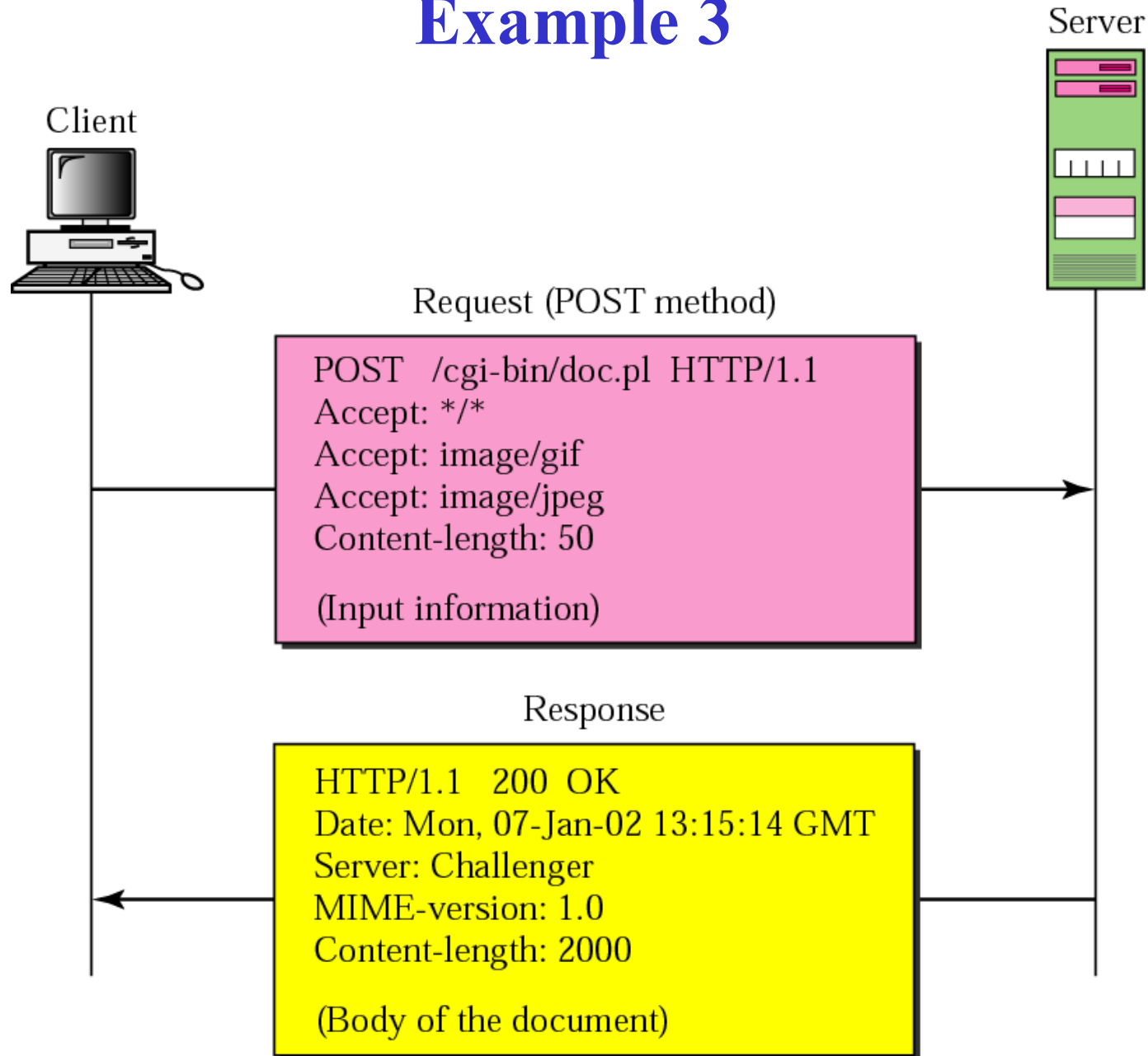
Example 2



Example 3

In this example, the client wants to send input data to the server. We use the POST method.

Example 3



24.6

SOME OTHER FEATURES

Note

*HTTP version 1.1
specifies a persistent
connection by default.*