Task 1

- HTTP

-Hyper Text Transfer Protocol.

-Make the Communication between webservers and clients.

- loading pages , form a submit , etc …

- Every request using http is independent

HTTPS

-Hyper Text Transfer protocol secure.

-Data sent using https is encrypted using SSL/TLS.

Main http metods

1 – Get: it's function to retrieve data from the server.

2 – Post: it's function to submit data to the server.

3 – Put: it's function to update data already on the server.

4 – Delete: It's function to delete date from the server.

HTTP header / fields

- Header

- Request header.
- Response header.
- General header.

- Body

- Html page, css,etc…

Header

1- General :

- o Request URL.
- o Request method.
- o Status Code.

2 – Response

- Server
- Set cookies
- Content type
- Content length

3 – Request

- Cookies
- Authorization

Status code

1xx: informational

- It means that everything here is fine and your data is being processing and No problems has been found.

2xx: Success

- Your data is accepted without problems.

3xx: Redirect

- It means you will be redirected to another page "Further action must be taken".

4xx: Client error

- There are some problems from the client, for example the client enters invalid data.

5xx: Server error

- There are problems but from the server itself not from the client and usually it's temporary problems.