#3) Explain the term ‘Addressing’ with respect to RESTful WEB service.

Just like we require address with postal code to reach any person, in the same way, ‘Addressing’ locates resources that are present on the server for the purpose of hosting web services. This is usually done with URI i.e. Unified Resource Identifier.

es a ‘session identifier’ which also acts as an identifier for each session.

Q #8) Enlist advantages and disadvantages of ‘Statelessness’.

In the above question, we have understood the meaning of statelessness with respect to the client-server communication. Now, let us see some of its advantages and disadvantages.

Advantages:

Every method required for communication is identified as an independent method i.e. there are no dependencies to other methods.

Any previous communication with the client and server is not maintained and thus the whole process is very much simplified.

If any information or metadata used earlier in required in another method, then the client sends again that information with HTTP request.

HTTP protocol and REST web service, both shares the feature of statelessness.

Disadvantages:

In every HTTP request from the client, the availability of some information regarding the client state is required by the web service.

#10) What is a ‘Resource’?

Just like the ‘Object’ instance, we have learned in object orient programming Language, in the same way, ‘Resource’ is defined as an object of a type which can be an image, HTML file, text data, and any type of dynamic data. There are varieties of representation formats available in order to represent a resource.

Some most common are enlisted below:

JSON

YAML

XML

HTML

#16) What is Payload?

The request data which is present in the body part of every HTTP message is referred as ‘Payload’. In Restful web service, the payload can only be passed to the recipient through POST method.

There is no limit of sending data as payload through POST method but the only concern is that more data with consuming more time and bandwidth. This may consume much of user’s time also.