* <https://www.geeksforgeeks.org/nlp-how-tokenizing-text-sentence-words-works/>
* <https://stackoverflow.com/questions/11817950/what-is-data-serialization>

**Q1:** What is **“Stateless”** in Computer Science?

**Ans:** In **computers**, **stateless** is the condition of having no previous data to address. One great example is HTTP, which uses a **stateless** protocol; meaning that the server receives requests as individual, unrelated queries and does not retain any session or status information.

**Q2:** What is a **HTTP**?

**Ans:** The **Hypertext Transfer Protocol (HTTP)** is designed to enable communications between clients and servers. HTTP works as a request-response protocol between a client and server. Example: A client (browser) sends an HTTP request to the server; then the server returns a response to the client. The response contains status information about the request and may also contain the requested content. For further info: <https://www.w3schools.com/tags/ref_httpmethods.asp>

**Q3:** What is a **REST** or **RESTful** API?

**Ans:** REST APIs enable you to develop any kind of web application having all possible CRUD (create, retrieve, update, delete) operations. [REST guidelines](https://restfulapi.net/rest-architectural-constraints/) suggest using a specific HTTP method on a specific type of call made to the server (though technically it is possible to violate this guideline, yet it is highly discouraged). For further info: <https://restfulapi.net/http-methods/>

A **RESTful** API **is** an application program interface (API) that uses **HTTP requests** to GET, PUT, POST and DELETE data. An API for a website **is** code that allows two software programs to communicate with each other.

**Q4:** WHAT is **JSON?**

**Ans:** JSON stands for **J**ava**S**cript **O**bject **N**otation. JSON is a lightweight format for storing and transporting data. JSON is often used when data is sent from a server to a web page. JSON is "self-describing" and easy to understand. For further info: <https://www.w3schools.com/whatis/whatis_json.asp>

**if something is not clear after reading comments corresponding to code related to Google Custom Search Engine in “IR Test Project.py” then do watch this video** <https://www.youtube.com/watch?v=IBhdLRheKyM&t=612s>

**Q5:** What is a **PIP?**

**Ans:** pip is a de facto standard package-management system used to install and manage software packages written in Python.