**Assignment-1**

**1. What is JSON?**

**2. What is HTTP Status codes?**

**3. What is the meaning of 500 Status codes?**

**4. What is No-SQL Databases?**

***Answer1-***

* 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

***Answer-2*** The Status-Code element in a server response, is a 3-digit integer where the first digit of the Status-Code defines the class of response and the last two digits do not have any categorization role. There are 5 values for the first digit:

|  |  |
| --- | --- |
| 1 | **1xx: Informational**  It means the request has been received and the process is continuing. |
| 2 | **2xx: Success**  It means the action was successfully received, understood, and accepted. |
| 3 | **3xx: Redirection**  It means further action must be taken in order to complete the request. |
| 4 | **4xx: Client Error**  It means the request contains incorrect syntax or cannot be fulfilled. |
| 5 | **5xx: Server Error**  It means the server failed to fulfill an apparently valid request. |

***Answer-3***

A 500 Internal Server error means that the website you were trying to connect to has experienced a problem and can't provide a more specific error code. You cannot fix a 500 Internal Server error, but you can usually view an archived copy of the website on the Wayback Machine.

***Answer-4***

NoSQL Database is used to refer a non-SQL or non relational database.

It provides a mechanism for storage and retrieval of data other than tabular relations model used in relational databases. NoSQL database doesn't use tables for storing data. It is generally used to store big data and real-time web applications.