**ADVANCED WEB APPLICATION DEVELOPMENT**

**ASSIGNMENT WEEK 9**

**List out the CRUD operations using REST  API for developing  web applications.**

**Answer :** CRUD stands for Create, Read, Update, and Delete. These are the four basic operations that can be performed on data in a database. REST (Representational State Transfer) is an architectural style that defines a set of constraints to be used when creating web services. RESTful APIs are designed to work with HTTP protocol methods such as GET, POST, PUT, and DELETE.

Here’s how CRUD operations map to HTTP methods:

* Create: POST
* Read: GET
* Update: PUT or PATCH
* Delete: DELETE

For example, suppose you have a web application that allows users to create, read, update, and delete blog posts. Here’s how you might use RESTful APIs to implement these operations:

* To create a new blog post, you would send a POST request to the server with the data for the new post in the request body.
* To read an existing blog post, you would send a GET request to the server with the ID of the post in the URL.
* To update an existing blog post, you would send a PUT or PATCH request to the server with the ID of the post in the URL and the updated data in the request body.
* To delete an existing blog post, you would send a DELETE request to the server with the ID of the post in the URL.