

PRACTICAL-5

Understanding modification of Web , XML.

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Http Requests</title>
</head>
<body>
  <h1>Learning HTTP Requests</h1>
  <script src="./http_requests.js"></script>
  <script src="./app.js"></script>
</body>
</html>
```

JavaScript HTTP Request Function Prototypes CODE :

```
function httprequests(){
  this.http = new XMLHttpRequest();
}

//GET Request
httprequests.prototype.get = function (url, callback) {
  this.http.open("GET", url, true);
  let self = this;
  this.http.onload = function () {
    if (self.http.status === 200) {
      callback(null, self.http.responseText);
    }
    else {
      callback("Error : " + self.http.status);
    }
  }

  this.http.send();
}
```

```

//POST Request
httprequests.prototype.post = function (url, data, callback) {
    this.http.open("POST", url, true);
    this.http.setRequestHeader("Content-type", "application/json");
    let self = this;
    this.http.onload = function () {
        callback(null, self.http.responseText);
    }
    this.http.send(JSON.stringify(data));
}

//PUT Request
httprequests.prototype.put = function (url, data, callback) {
    this.http.open("PUT", url, true);
    this.http.setRequestHeader("Content-type", "application/json");
    let self = this;
    this.http.onload = function () {
        callback(null, self.http.responseText);
    }
    this.http.send(JSON.stringify(data));
}

//DELETE Request
httprequests.prototype.delete = function (url, callback) {
    this.http.open("DELETE", url, true);
    let self = this;
    this.http.onload = function () {
        if (self.http.status === 200) {
            callback(null, "Delete Successful");
        }
        else {
            callback("Error : " + self.http.status);
        }
    }
    this.http.send();
}

```

JavaScript app CODE (GET) :

```

const myobj = new httprequests();

//for get
myobj.get("https://jsonplaceholder.typicode.com/posts", function (err, posts) {
    if (err) {
        console.log(err);
    }
}

```

```

else {
    console.log(posts);
}
});

```

OUTPUT(GET) :

Learning HTTP Requests

```

[
  {
    "userId": 1,
    "id": 1,
    "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
    "body": "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rerum est autem sunt rem eveniet architecto"
  },
  {
    "userId": 1,
    "id": 2,
    "title": "qui est esse",
    "body": "est rerum tempore vitae\nsequi sint nihil reprehenderit dolor beatae ea dolores neque\nfugiat blanditiis voluptate porro vel nihil molestiae ut reiciendis\nqui aperiam non debitis possimus qui neque nisi nulla"
  },
  {
    "userId": 1,
    "id": 3,
    "title": "ea molestias quasi exercitationem repellat qui ipsa sit aut",
    "body": "et iusto sed quo iure\nvoluptatem occaecati omnis eligendi ad ad\nvoluptatem doloribus vel accusantium quis pariatur\nmolestiae porro eius odio et labore et velit aut"
  },
  {
    "userId": 1,
    "id": 4,
    "title": "eum et est occaecati",
    "body": "ullam et saepe reiciendis voluptatem adipisci\nsit amet autem assumenda provident rerum culpa\nquis hic commodi nesciunt rem tenetur doloremque ipsam iure\nquis sunt voluptatem rerum illo velit"
  },
  {
    "userId": 1,
    "id": 5,
    "title": "nesciunt quas odio",
    "body": "repudiandae veniam quaerat sunt sed\nnalias aut fugiat sit autem sed est\nvoluptatem omnis possimus esse voluptatibus quis\nest aut tenetur dolor neque"
  },
  {
    "userId": 1,
    "id": 6,

```

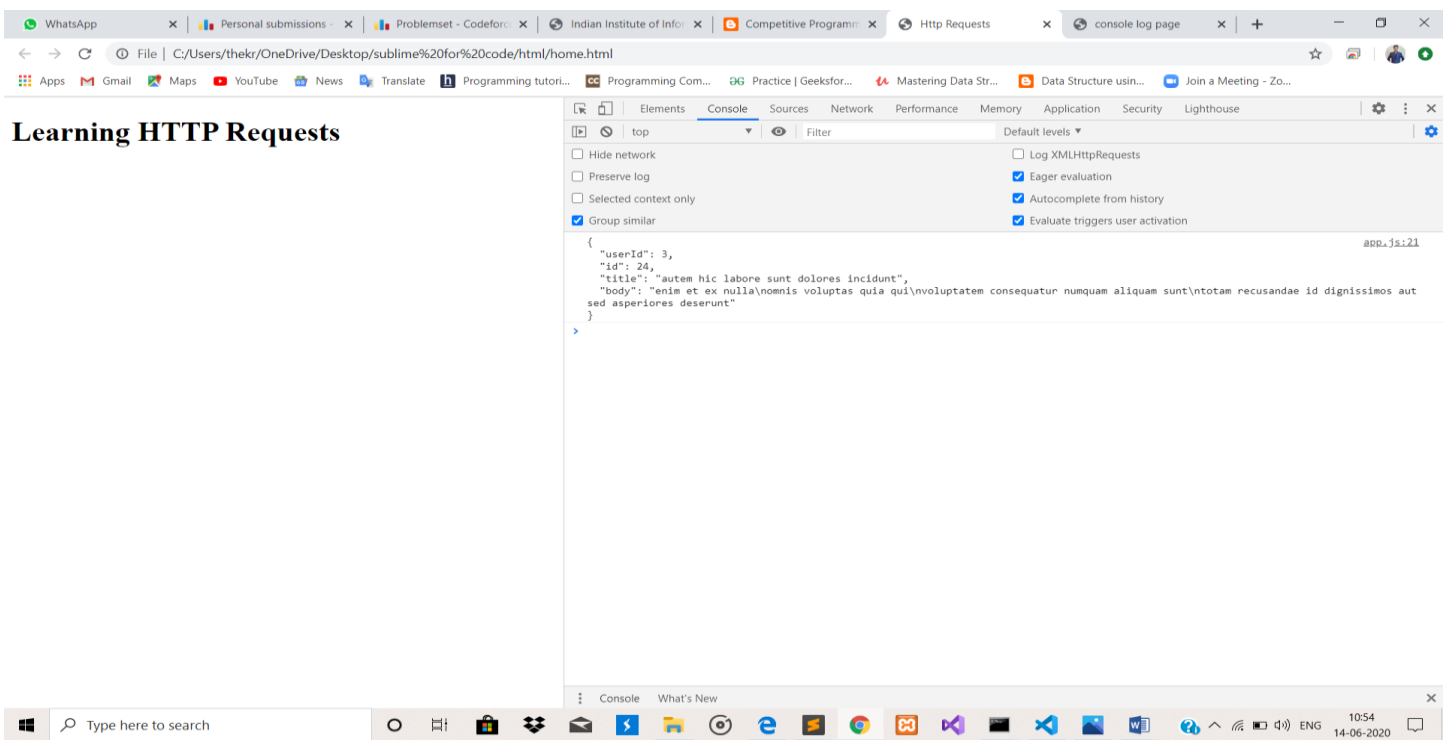
JavaScript app CODE (Single GET) :

```

//for single get
myobj.get("https://jsonplaceholder.typicode.com/posts/24", function (
    err,
    post
) {
    if (err) {
        console.log(err);
    } else {
        console.log(post);
    }
});

```

OUTPUT(GET) :

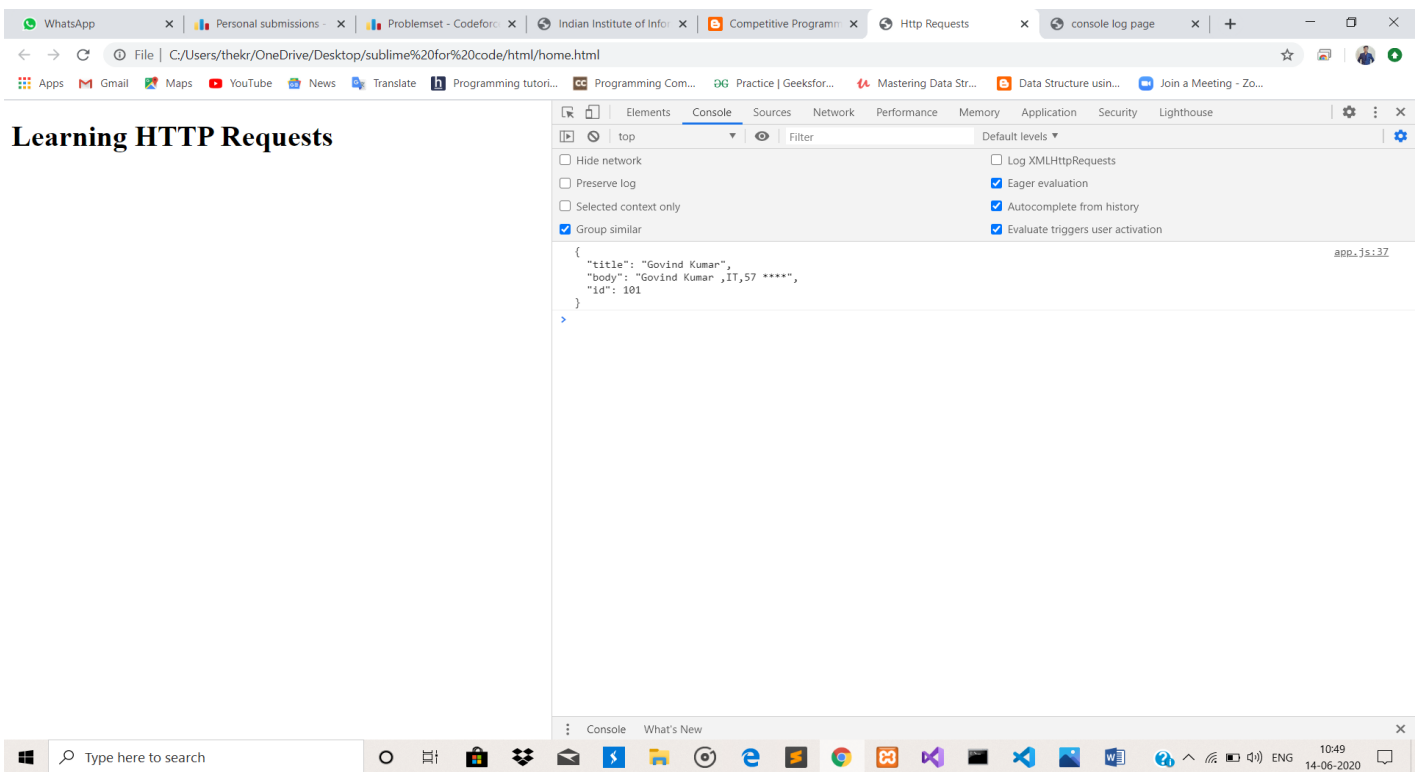


JavaScript app CODE (POST) :

```
const data = {
  title: "Govind Kumar",
  body: "Govind Kumar,IT,57 *****",
};

//for post
myobj.post("https://jsonplaceholder.typicode.com/posts", data, function (
  err,
  post
) {
  if (err) {
    console.log(err);
  } else {
    console.log(post);
  }
});
```

OUTPUT(POST) :

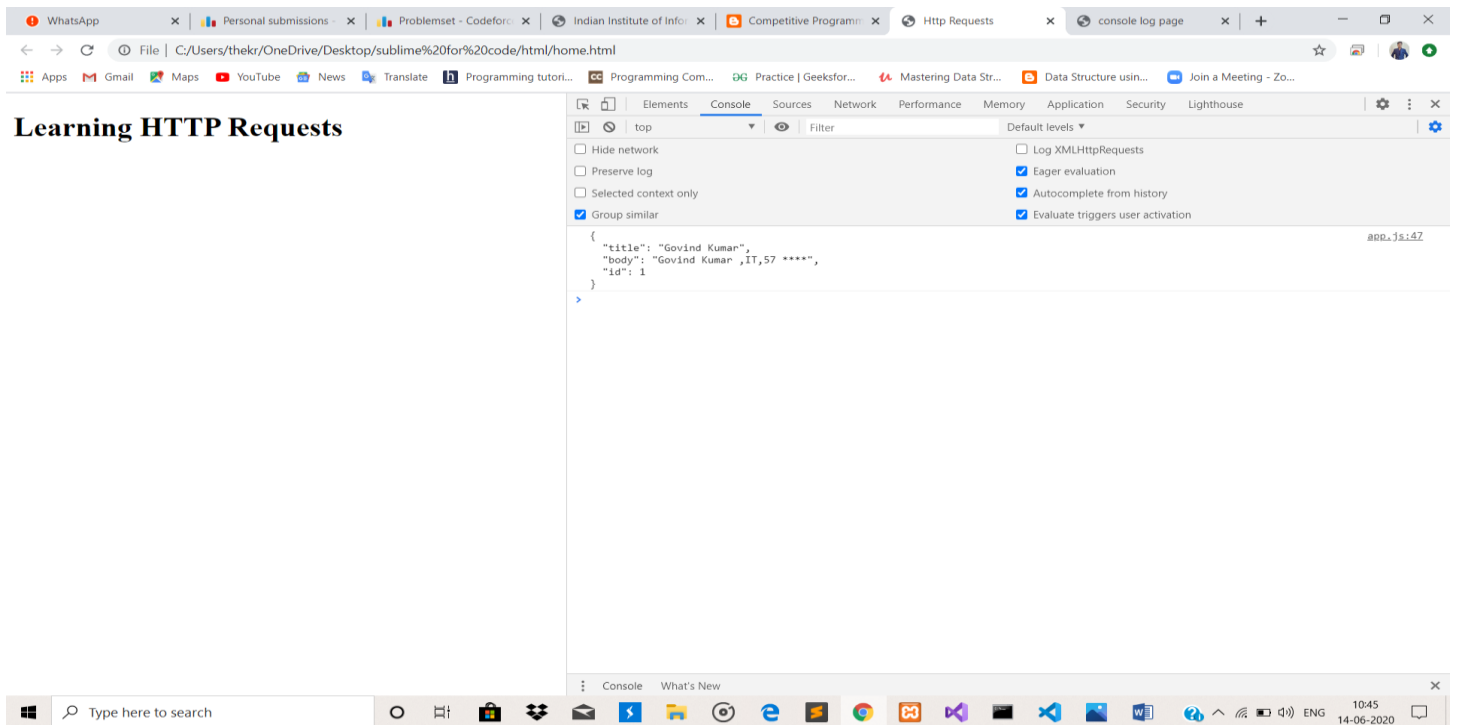


JavaScript app CODE (PUT) :

```
const data = {
  title: "Govind Kumar",
  body: "Govind Kumar,IT,57 *****",
};

//for update(put)
myobj.put("https://jsonplaceholder.typicode.com/posts/1", data, function (err, post) {
  if (err) {
    console.log(err);
  }
  else {
    console.log(post);
  }
});
```

OUTPUT(PUT) :



JavaScript app CODE (DELETE) :

```
//for delete
myobj.delete("https://jsonplaceholder.typicode.com/posts/1", function (
  err,
  response
) {
  if (err) {
    console.log(err);
  } else {
    console.log(response);
  }
});
```

OUTPUT(DELETE) :

