LAB PROJECT

DATABASE SYSTEM (CS-329)

SUBMITTED BY

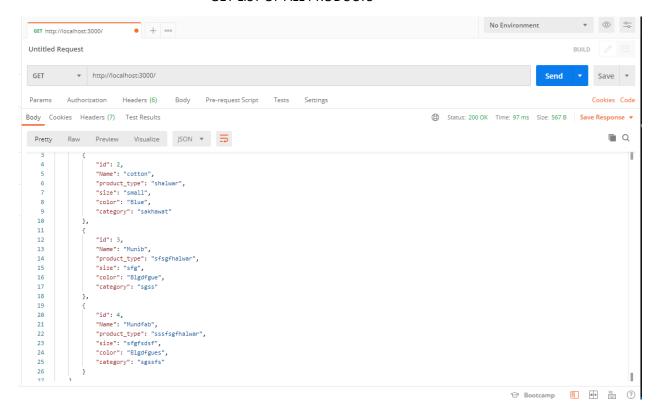**MUNIB-UL-HASSAN**   **CS19-037**
MAAZ MOINDUDDIN   **CS19-042**
ASJAD HUSSAIN RIZVI   **CS19-005**
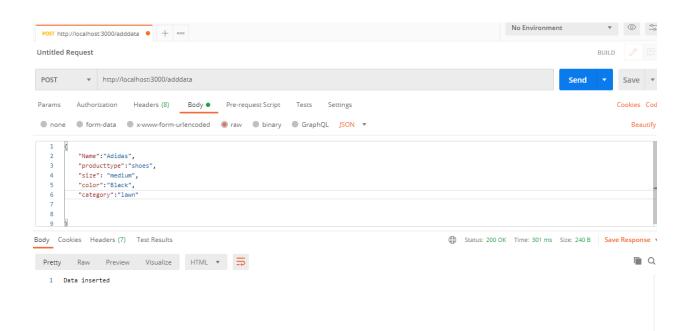**SAKHAWAT**   **CS19-026**

SUBMITTED TO
SIR ANAD

DEPARTMENT OF COMPUTER SCIENCE
SIR SYED UNIVERSITY OF ENGINEERING AND TECHNIOLOGY

GET LIST OF ALL PRODUCTS


```
 3      {
 4          "id": 2,
 5          "Name": "cotton",
 6          "product_type": "shalwar",
 7          "size": "small",
 8          "color": "Blue",
 9          "category": "sakhawat"
10      },
11      {
12          "id": 3,
13          "Name": "Munib",
14          "product_type": "sfsgfhalwar",
15          "size": "sfg",
16          "color": "Blgdfgue",
17          "category": "sgss"
18      },
19      {
20          "id": 4,
21          "Name": "Mundfab",
22          "product_type": "sssfsgfhalwar",
23          "size": "sfgfsdsf",
24          "color": "Blgdfgues",
25          "category": "sgssfs"
26      }
```

INSERT VALUES IN DB


```
1  {
2      "Name":"Adidas",
3      "producttype":"shoes",
4      "size": "medium",
5      "color":"Black",
6      "category":"lawn"
7
8
9  }
```

```
1   Data inserted
```

```
SELECT * FROM `productlist`
```

☐ Profiling [Edit in

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table   Sort by key: None ⌄

Options

			id	Name	product_type	size	color	category
☐	✎ Edit	⊞ Copy ⊖ Delete	2	cotton	shalwar	small	Blue	sakhawat
☐	✎ Edit	⊞ Copy ⊖ Delete	3	Munib	sfsgfhalwar	sfg	Blgdfgue	sgss
☐	✎ Edit	⊞ Copy ⊖ Delete	4	Mundfab	sssfsgfhalwar	sfgfsdsf	Blgdfgues	sgssfs
☐	✎ Edit	⊞ Copy ⊖ Delete	6	Adidas	shoes	medium	Black	lawn

↑ ☐ Check all   With selected: ✎ Edit   ⊞ Copy   ⊖ Delete   ▤ Export

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table   Sort by key: None ⌄

Query results operations

🖶 Print   ⊞ Copy to clipboard   ▤ Export   📊 Display chart   📄 Create view

UPDATE VALUES IN DB

POST http://localhost:3000/adddata ● + ∘∘∘   No Environment ▼

Untitled Request   BUILD

POST ▼   http://localhost:3000/adddata   Sending...

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests   Settings

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL   JSON ▼

```
1  {
2      "name":"Adidas",
3      "producttype":"T-shirt",
4      "size": "small",
5      "color":"blue",
6      "category":"cotton"
7
8
9  }
```

Body Cookies Headers (7) Test Results   ⊕ Status: 200 OK Time: 291 ms Size: 240 B Save

Pretty Raw Preview Visualize   HTML ▼

✓ Showing rows 0 - 3 (4 total, Query took 0.0009 seconds.)

```
SELECT * FROM `productlist`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table   Sort by key: None ▾

+ Options

			id	Name	product_type	size	color	category
☐	✎ Edit	⬚ Copy ⊖ Delete	2	cotton	shalwar	small	Blue	sakhawat
☐	✎ Edit	⬚ Copy ⊖ Delete	3	Munib	sfsgfhalwar	sfg	Blgdfgue	sgss
☐	✎ Edit	⬚ Copy ⊖ Delete	4	Mundfab	sssfsgfhalwar	sfgfsdsf	Blgdfgues	sgssfs
☐	✎ Edit	⬚ Copy ⊖ Delete	6	Adidas	T-shirt	small	blue	cotton

⬆ ☐ Check all   With selected: ✎ Edit   ⬚ Copy   ⊖ Delete   ⬚ Export

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table   Sort by key: None ▾

Query results operations

🖨 Print   ⬚ Copy to clipboard   ⬚ Export   📊 Display chart   🗔 Create view

Bookmark this SQL query

DELETE VALUES IN DB

Untitled Request   B

GET ▾   http://localhost:3000/delete   **Send**

Params   Authorization   Headers (8)   Body ●   Pre-request Script   Tests   Settings

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL   JSON ▾

```
1  {
2      "id":6
3
4
5  }
```

Body   Cookies   Headers (7)   Test Results   🌐 Status: 200 OK   Time: 258 ms   Size: 239 B

Pretty   Raw   Preview   Visualize   HTML ▾

```
1  Data deleted
```

CODE

```javascript
var express = require('express')
var user = new express()
var body = require('body-parser')
user.use(body.json());
var conect = require('./connection')
var sql = require("sql")


var mysql = require('mysql');

var con = mysql.createConnection({
  host: "localhost",
  user: "root",
  password: "",
  database:"DBproject"

});

con.connect(function(err) {
  if (err) throw err;
  console.log("Connected!");
});



// Create table
    user.get('/addtable', (req, res) => {
```

```javascript
    let sql = 'CREATE TABLE Productlist(id int AUTO_INCREMENT, Name VARCHAR(255),
 PRIMARY KEY(id),product_type VARCHAR(255), size varchar(255), color VARCHAR(255)
,category varchar(255))';
    con.query(sql, (err, result) => {
        if(err) throw err;
        console.log(result);
        res.send('Posts table created...');
    });
});
user.post('/adddata',async (req,res,next)=>{
    var id;
    let sql = 'select * from productlist WHERE name = ?';
    let data = con.query(sql,[req.body.name],(err,result)=>{
        if(err) throw err;
        console.log(result);
        if(result.length<=0){

            let sql1= 'INSERT INTO productlist SET ?';
            let values = {
                Name:req.body.name,
                product_type:req.body.producttype,
                size:req.body.size,
                color:req.body.color,
                category:req.body.category };
            con.query(sql1,values,(err,result)=>{
                if(err) throw err;
                console.log(result);
                res.status(200).send("Data inserted")
            })

        }else{
            let sql2 = 'update Productlist SET name=?,size=?,color=?,category=?,p
roduct_type=? where name = ?';
            let values = [req.body.name,req.body.size,req.body.color,req.body.cat
egory,req.body.producttype,req.body.name];
            con.query(sql2,values,(err,result)=>{
                if(err) throw err;
                console.log(result);
            })
        }
    })
})

user.get('/delete',(req,res)=>{
```

```
    let sql= 'DELETE FROM PRODUCTLIST WHERE ID = ?'
    con.query(sql,[req.body.id],(err,result)=>{
        if(err) {
            console.log(err);
        }

        console.log(result);
        res.status(200).send("Data deleted")
    })
})
user.get('/',(req,res)=>{
    console.log("//");
    let sql = 'select * from productlist';
    con.query(sql,(err,result)=>{
        console.log(result);
        res.status(200).json({data:result})
    })
})
user.listen(3000,(err,reslt)=>{
    console.log("Server is running");
})
```