NAME:YASH SRIVASTAVA

TEN ID:TEN/JD/164

STEP1:Firstly I had install two software for this Assignment.

1)Intellij Webstorm

2)Postman

STEP2:Secondly I started coding webstorm intelli j download packages and inside that packages file made javascriptfile script.js fetch data through get,post,delete,put method.

Script.js Code

```javascript
const express=require('express');
//const Joi=require('joi');
const app=express();


app.use(express.json());
const customers =[{title:'george',id:1},
    {title:'Josh',id:2},
    {title:'Tyler',id:3},
    {title:'Alice',id:4},
    {title:'Candice',id:5}]


app.get('/',(req, res) => {
    res.send('Welcome to Edurekas Rest Api!');
});
app.get('/api/customers',(req, res) => {
    res.send(customers);
});
app.get('/api/customers/:id',(req, res) => {
    const customer=customers.find(c => c.id ==parseInt(req.params.id));
    if(!customer) res.status(404).send('<h2 style="font-family: Malgun
Gothic;color:darkred;">OOps...Cant find what you are looking for!</h2>');
    res.send(customer);
});
app.post('/api/customers',(req,res) => {

 //   const {error} = validateCustomer(req.body);
   // if (error) {
     //   res.status(400).send(error.details[0].message)
       // return;
    //}
    const customer = {
       id: customers.length + 1,
        title: req.body.title
    };
    customers.push(customer);
    res.send(customer);
});
    app.delete('/api/customers/:id',(req, res) => {
        const customer=customers.find(c => c.id ==parseInt(req.params.id));
        if(!customer) res.status(404).send('<h2 style="font-family: Malgun
```

```
Gothic;color:darkred;">OOps...Cant find what you are looking for!</h2>');
        const index=customers.indexOf(customer);
        customers.splice(index,1);
        res.send(customer);
    });
    app.put('/api/customers/:id',(req, res) => {
     const customer=customers.find(c => c.id ==parseInt(req.params.id));
    if(!customer) res.status(404).send('<h2 style="font-family: Malgun
Gothic;color:darkred;">OOps...Cant find what you are looking for!</h2>');

 customer.title=req.body.title;
 res.send(customer);
});


const port=process.env.PORT || 8088;
app.listen(port,()=> console.log('Listening on port ${8088}..'));
```

STEP3: I have run on server 8088 using Command prompt.

```
Microsoft Windows [Version 10.0.19041.928]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>E:

E:\>cd DemoForRESTAPI

E:\DemoForRestAPI>node script.js
Listening on port ${8088}..
```
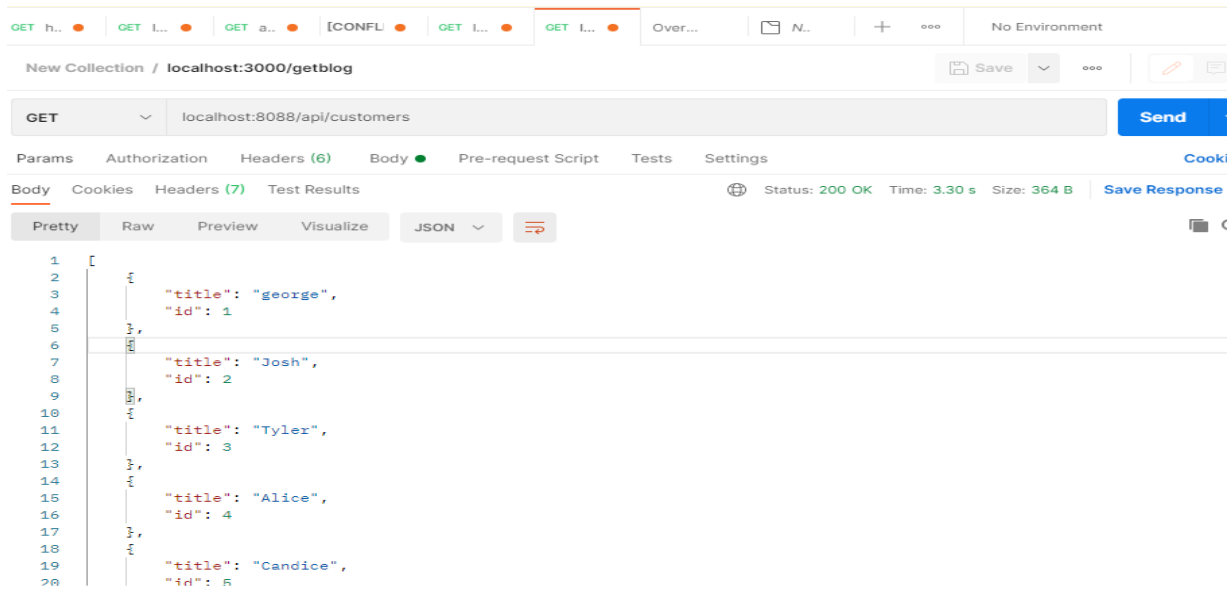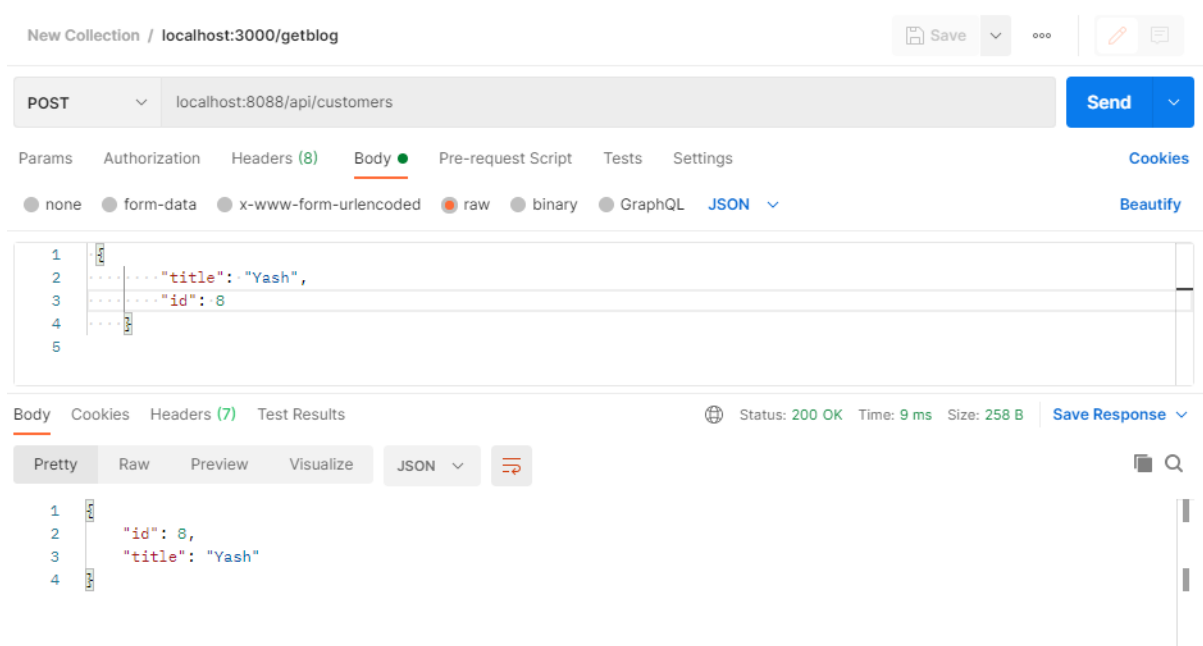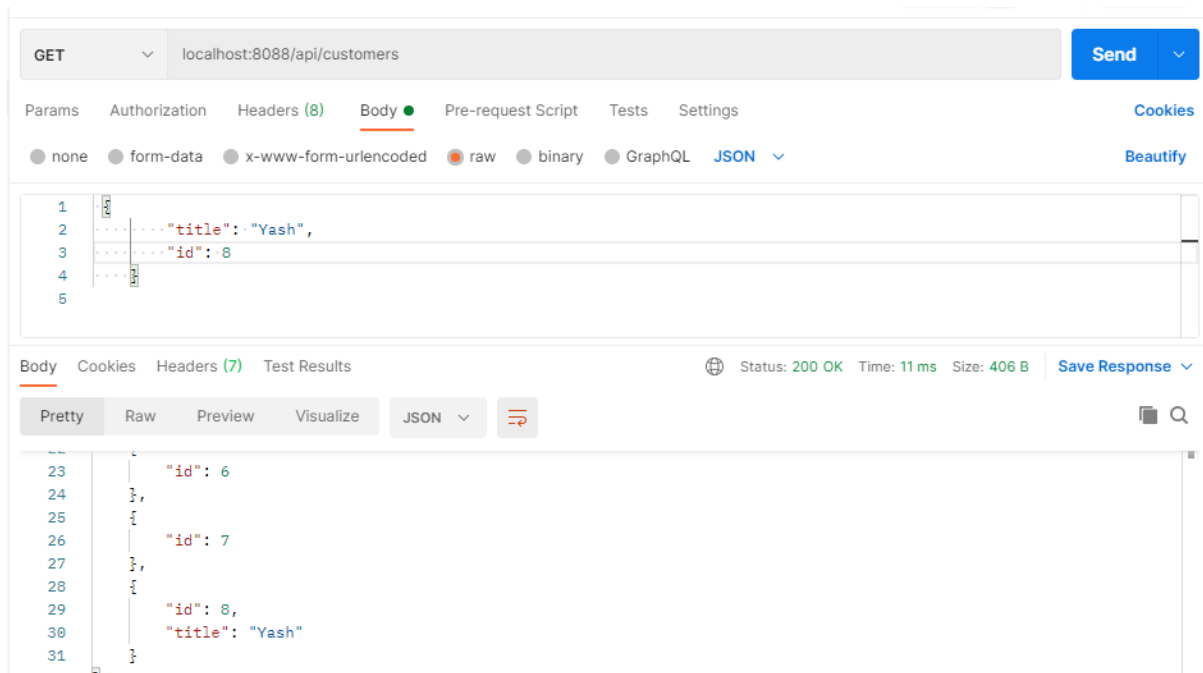
STEP4:Then we will used Postman Software and fetch data using Get,POST,PUT,DELETE METHOD
Like first take example of Get Method.
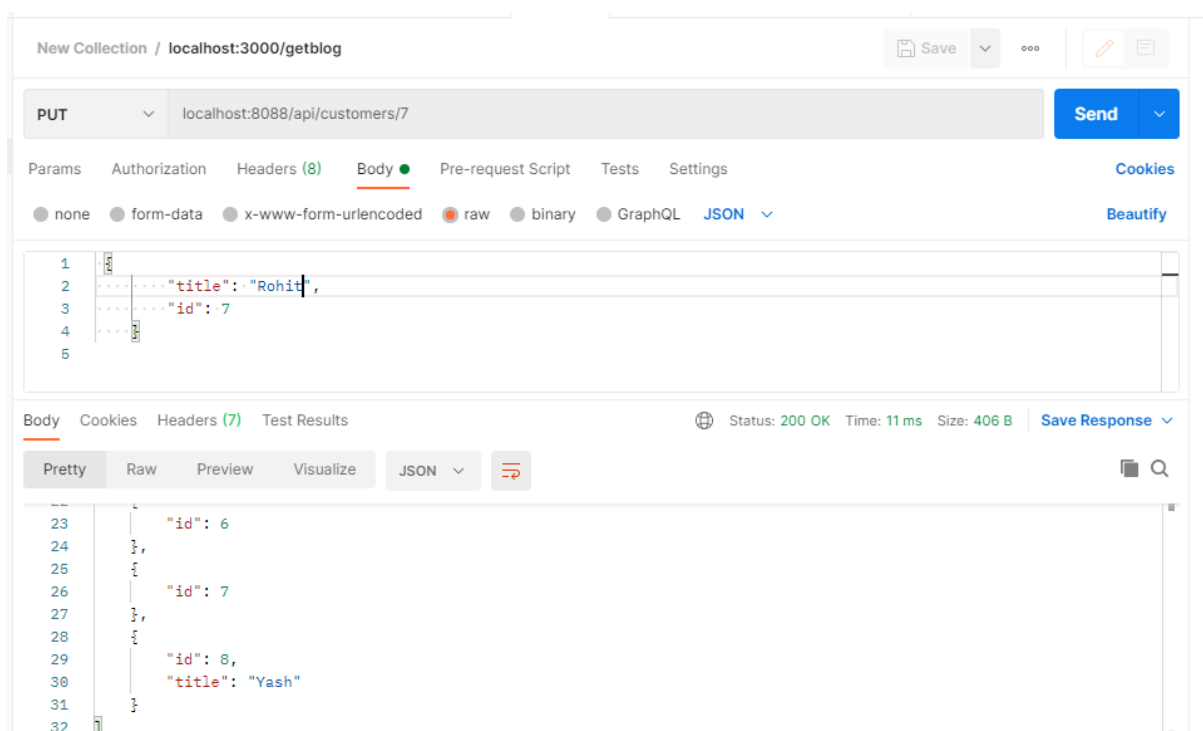

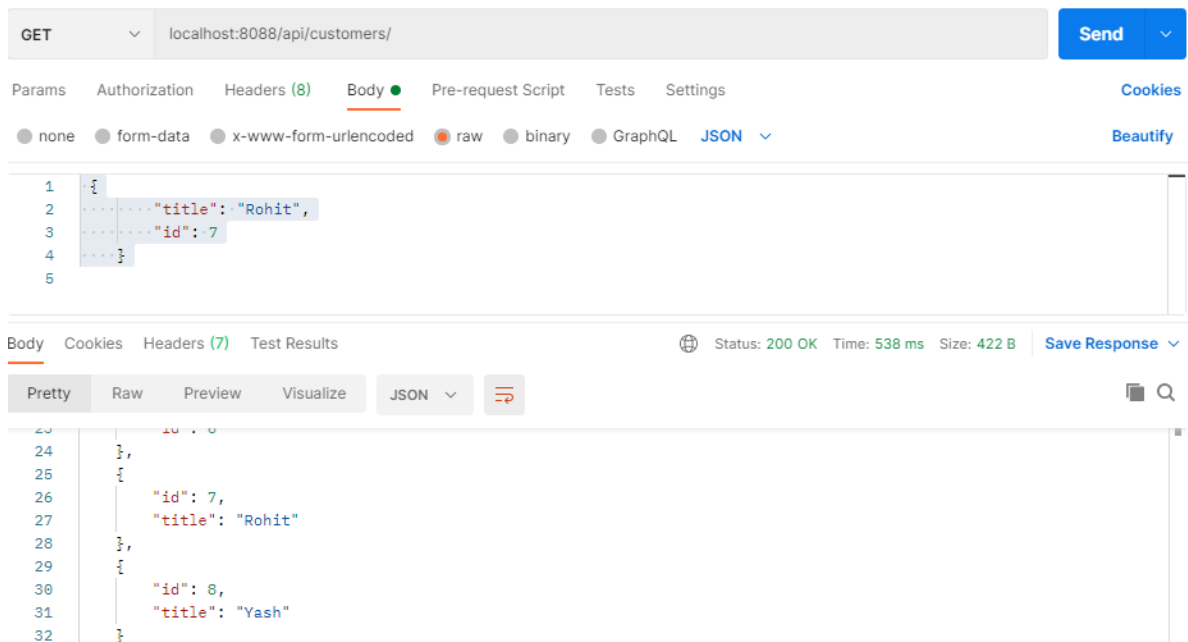STEP5:Then we will used POST method create new Id and title .

STEP6:when Id is created using POST Method we will see it through Get Method whether it is
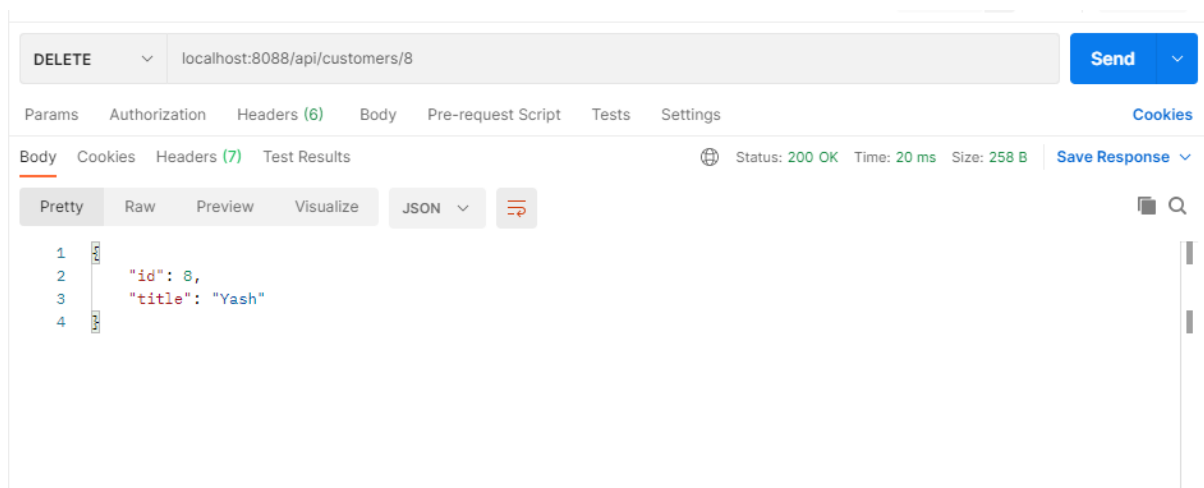created or not.

STEP7:When update something we want to use PUT Method whether we want update title or id any one thing or both the thing id and title .

STEP8:if it got updated by PUT METHOD on server we will see it through get method.

```
GET              localhost:8088/api/customers/                              Send   ∨

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

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

1   {
2         "title": "Rohit",
3         "id": 7
4   }
5

Body  Cookies  Headers (7)  Test Results    ⊕ Status: 200 OK  Time: 538 ms  Size: 422 B  Save Response ∨

Pretty  Raw  Preview  Visualize  JSON ∨  ⇄                                          ⧉ Q

23          "id": 6
24      },
25      {
26          "id": 7,
27          "title": "Rohit"
28      },
29      {
30          "id": 8,
31          "title": "Yash"
32      }
```

STEP9:Then we will used Delete Method as you can see in id

```
DELETE           localhost:8088/api/customers/8                              Send   ∨

Params  Authorization  Headers (6)  Body  Pre-request Script  Tests  Settings          Cookies

Body  Cookies  Headers (7)  Test Results    ⊕ Status: 200 OK  Time: 20 ms  Size: 258 B  Save Response ∨

Pretty  Raw  Preview  Visualize  JSON ∨  ⇄                                          ⧉ Q

1   {
2       "id": 8,
3       "title": "Yash"
4   }
```

STEP10:Then we will see it through DELETE Method update through Get Method.

New Collection / **localhost:3000/getblog**   Save   ooo

GET   localhost:8088/api/customers   **Send**

Params   Authorization   Headers (6)   Body   Pre-request Script   Tests   Settings   **Cookies**

Body   Cookies   Headers (7)   Test Results   Status: **200 OK**   Time: **8 ms**   Size: **398 B**   Save Response

Pretty   Raw   Preview   Visualize   JSON

```json
10      {
11          "title": "Tyler",
12          "id": 3
13      },
14      {
15          "title": "Alice",
16          "id": 4
17      },
18      {
19          "title": "Candice",
20          "id": 5
21      },
22      {
23          "id": 6
24      },
25      {
26          "id": 7,
27          "title": "Rohit"
28      }
```

DIRECTION:-Pls Proceed