****

INTERNET AND WEB PROGRAMMING

***DIGITAL ASSIGNMENT-9***

***VTOP ASSIGNMENT-6***

***NAME-AISHIKA SAHA***

***REGISTRATION NUMBER-18BCE2168***

**LAB EXPERIMENT 12**

**Question- Write a Node JS program to perform database operations. Use MongoDB for data integration services.**

**i. Write a NodeJs program to perform debit operation for a bank account. The HTML form should get input for the account no and the amount to be debited. The entered amount has to be reduced from their balance. In the database, maintain account number and balance.**

## APP.JS CODE:

var express = require("express");

var bodyParser = require("body-parser"); const mongoose = require('mongoose');

mongoose.connect('mongodb://localhost:27017/bankdetailsnew'); var db = mongoose.connection;

db.on('error', console.log.bind(console, "connection error")); db.once('open', function (callback) {

console.log("connection succeeded");

})

var app = express();

app.use(bodyParser.json()); app.use(express.static('public')); app.use(bodyParser.urlencoded({

extended: true

}));

var Schema = mongoose.Schema; var bankSchema = new Schema({

account: String, amount: Number

});

var Bank = mongoose.model('Bank', bankSchema);

app.post('/debited', function (req, res) { var account = req.body.account; var amount = req.body.amount; console.log(account); console.log(amount);

Bank.findOne({account: account}, function (err, bankval) { if (err) {

console.log("Error");

}

bankval.amount = bankval.amount - amount; bankval.save();

console.log(bankval);

});

return res.redirect('debit.html');

})

app.get('/', function (req, res) {

Bank.inserOne({account: account}, function (err, bankval) { if (err) {

console.log("Error");

}

bankval.amount = baamount; console.log(bankval.amount);

});

res.set({

'Access-control-Allow-Origin': '\*'

});

return res.redirect('index.html');

}).listen(3000)

console.log("server listening at port 3000");

## DEBIT.HTML CODE:

<!DOCTYPE html>

<html>

<head>

<title> Signup Form</title>

<link rel="stylesheet" href=

"https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" integrity=

"sha384- BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">

<link rel="stylesheet" type="text/css" href="style.css">

</head>

<h1>AISHIKA SAHA<BR> 18BCE2168</h1>

<body>

<br>

<br>

<br>

<div class="container" >

<div class="row">

<div class="col-md-3">

</div>

<div class="col-md-6 main">

<h1> Account Updated</h1>

</div>

<div class="col-md-3">

</div>

INDEX.HTML CODE:

<!DOCTYPE html>

<html>

<head>

<title> Signup Form</title>

<link rel="stylesheet" href=

"https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" integrity=

"sha384- BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">

</head>

<h1>AISHIKA SAHA <br>18BCE2168</h1>

<body>

<br>

<br>

<br>

<div class="container" >

<div class="row">

<div class="col-md-3">

</div>

<div class="col-md-6 main">

<form action="/debited" method="post">

<h1> Debit form </h1>

<input class="box" type="text" name="account" id="account" placeholder="Enter your Account Number" required /><br>

<input class="box" type="number" name="amount" id="amount" placeholder="Enter Amount to be Debited " required /><br>

<br>

<input type="submit" id="submitDetails" name="submitDetails" value="Submit" /><br>

</form>

</div>

<div class="col-md-3">

</div>

</div>

</div>

</body>

</html>

# OUTPUT

# 





