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CYCLESHEET - 3

1. JQuery

- i) Design a table in the format given below using HTML and jquery selectors.**
- ii) Apply different background for odd and even rows of the table.**
- iii) Apply different CSS for table header using jquery selectors.**

CODE:

```
<!DOCTYPE html>

<html>

<head>

    <title>Question 1</title>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/
3.3.1/jquery.min.js"></script>

    <script>

        $(document).ready(function() {

            $(".odd").css("background-color", "#DDA0DD");

            $(".even").css("background-color", "lightblue");

            $(".heading").css({"font-size": "20px", "font-
style": "italic"});

        });

    </script>

</head>

<body>

<table style="border: 2px solid black; width: 60%; height:
300px"> <tr class="heading">
```

```
        <th>First Name</th>
        <th>Last Name</th>

        <th>City</th>

        <th>State</th>
</tr>
<tr class="odd">
        <td>Mannix</td>
        <td>Bolton</td>
        <td>Merizo</td>
        <td>Michigan</td>
</tr>
<tr class="even">
        <td>Suki</td>
        <td>King</td>
        <td>Fairmont</td>
        <td>Oklahoma</td>
</tr>
<tr class="odd">
        <td>Shelby</td>
        <td>English</td>
        <td>Durham</td>
        <td>Arkansas</td>
</tr>
<tr class="even">
        <td>Portia</td>
        <td>Bums</td>
        <td>Princeton</td>
        <td>Rhode Island</td>
</tr>
<tr class="odd">
        <td>Dacey</td>
        <td>Young</td>
```

```

        <td>Covina</td>

        <td>South California</td>
    </tr>
    <tr class="even">
        <td>Clark</td>
        <td>Reyes</td>
        <td>Grand Rapids</td>
        <td>New Jersey</td>
    </tr>
    <tr class="odd">
        <td>Maris</td>
        <td>Decker</td>
        <td>Sierra Madre</td>
        <td>Georgia</td>
    </tr>
</table>
</body>
</html>

```

OUTPUT

<i>First Name</i>	<i>Last Name</i>	<i>City</i>	<i>State</i>
Mannix	Bolton	Merizo	Michigan
Suki	King	Fairmont	Oklahoma
Shelby	English	Durham	Arkansas
Portia	Bums	Princeton	Rhode Island
Dacey	Young	Covina	South California
Clark	Reyes	Grand Rapids	New Jersey
Maris	Decker	Sierra Madre	Georgia

2. Angular JS

- i) Create a shipping address form using html in the format given below.
- ii) Write an angular script that will be invoked when form is validated successfully.
- iii) Display the status messages using angular directives and angular class values for all form elements.

Note: If the required fields are not filled with data, an alert should be thrown.

CODE:

```
<!DOCTYPE html>

<html>

<head>

<title>Question 2</title>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

</head>

<body bgcolor="yellow">

    <div style="background-color: blue; color: white"> Shipping Address:<br></div>

    *Required<br><br>

<div ng-app="">

    <form>

        *Name: <input type="text" ng-model="firstname"><br><br>

        *Address:<input type="text" ng-model="address1"

required n><br><br>

        Address:<input type="text" ng-model="address2"
```


AFTER ENTERING VALUES IN FORM

Shipping Address:
*Required


*Name:
*Address:
Address:
*City:
*State:
*Zip:

The details entered:
Name:Sweta Shah
Adress:Vit University block E
City:Vellore
State:Tamil Nadu
Zip:632014

NO REQUIRED FIELD CAN BE LEFT EMPTY

Shipping Address:
*Required

*Name:
*Address:
Address:

 Please fill out this field.

*City:
*State:
*Zip:

The details entered:
Name:sweta
Adress: vit
City:vellore
State:tamil nadu
Zip:632014

3. i) Create an angular shopping application to buy books and remove if not required.

ii) If the user enters a book in the textbox and clicks add book button, the book is added and if the user clicks on cross symbol next to each book given in the picture below, the book is removed from the list.

iii) If the book is selected twice, display an appropriate error message. Use angular animations to add and remove items.

CODE:

```
<!DOCTYPE html>
<html>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/
1.6.9/angular.min.js"></script>
<body style="font-size: 20px">
<script>
var app = angular.module("List", []);
app.controller("myCtrl", function($scope) {
    $scope.products = ["Web Technologies", "Operating
system", "Database Systems","Computer Architecture"];
    $scope.addItem = function () {
        $scope.errortext = "";
        if (!$scope.addMe) {return;}
        if ($scope.products.indexOf($scope.addMe) == -1) {
            $scope.products.push($scope.addMe);
        } else {
            $scope.errortext = "The item is already there.";
        }
    }
    $scope.removeItem = function (x) {
        $scope.errortext = "";
    }
}
```

```

        $scope.products.splice(x, 1);
    }
});
</script>
<p><b>BOOKS</b></p>
<div ng-app="List" ng-controller="myCtrl">
    <ul style="list-style: none;">
        <li ng-repeat="x in products">{{x}}<span ng-
click="removeItem($index)"><b>&nbsp;&nbsp;&nbsp;&nbsp;</b></span></li>
    </ul>
    <input ng-model="addMe">
    <button ng-click="addItem()">ADD BOOK</button>
    <p>{{errortext}}</p>
</div>
</body>
</html>

```

BOOKS

Web Technologies **x**
Operating system **x**
Database Systems **x**
Computer Architecture **x**

C:\Users\sweta\Desktop\cyclesheet3\ques3.html -
Sublime Text (UNREGISTERED)

BOOKS

Web Technologies x
Operating system x
Database Systems x
Computer Architecture x
control systems x

BOOKS

Web Technologies x
Operating system x
Database Systems x
Computer Architecture x
control systems x

The item is already there.

4. i) Create an angular routing application that displays the default page as the order details page containing three orders as shown below.

ii) When the "show details" is clicked for a particular order, the order details of particular order number must be displayed below.

CODE:

```
<!DOCTYPE html>

<html>

<head>

    <title>Question 4</title>

</head>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/
1.6.9/angular.min.js"></script>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/
1.6.9/angular-route.js"></script>
<script>

    var app = angular.module("myApp", ["ngRoute"]);
app.config(function($routeProvider) {

    $routeProvider

    .when("/show1", {

        template : "<p>Order <b>#1234</b><br>HERE ARE THE
DETAILS OF ORDER:#1234<br>It is a 15 inches Samsung Laptop sold
by 4 manufacturers</p>"

    })

    .when("/show2", {

        template : "<p>Order <b>#5412</b><br>HERE ARE THE
DETAILS OF ORDER:#5412<br>It is a 2TB Seagate Hard Drive sold by
10 manufacturers</p>"

    })

    .when("/show3", {
```

```
        template : "<p>Order <b>#9874</b><br>HERE ARE THE  
DETAILS OF ORDER:#9874<br>It is a 2TB Seagate Hard Drive sold by  
1 manufacturer</p>"
```

```
    })
```

```
});
```

```
</script>
```

```
<body ng-app="myApp">
```

```
<table cellpadding="6">
```

```
    <tr>
```

```
        <th>#</th>
```

```
        <th>Order No.</th>
```

```
        <th colspan="2">Details</th>
```

```
    </tr>
```

```
    <tr>
```

```
        <td>1</td>
```

```
        <td>1234</td>
```

```
        <td>15" Samsung Laptop</td>
```

```
        <td><a href="#!show1">show details</a></td>
```

```
    </tr>
```

```
    <tr>
```

```
        <td>2</td>
```

```
        <td>5412</td>
```

```
        <td>2TB Seagate Hard Drive</td>
```

```
        <td><a href="#!show2">show details</a></td>
```

```
    </tr>
```

```
    <tr>
```

```
        <td>3</td>
```

```
        <td>9874</td>
```

```
        <td>D-link router</td>
```

```
        <td><a href="#!show3">show details</a></td>
```

```
    </tr>
```

```
</table>
```

```
<br>

<div ng-view style="border: 3px solid green"></style></div>

</body>

</html>
```

#	Order No.	Details
1	1234	15" Samsung Laptop show details
2	5412	2TB Seagate Hard Drive show details
3	9874	D-link router show details

#	Order No.	Details
1	1234	15" Samsung Laptop show details
2	5412	2TB Seagate Hard Drive show details
3	9874	D-link router show details

Order #1234

HERE ARE THE DETAILS OF ORDER:#1234

It is a 15 inches Samsung Laptop sold by 4 manufacturers

QUESTION5

Configure routes

in express.js

```
var express =
require('express');
var app = express();

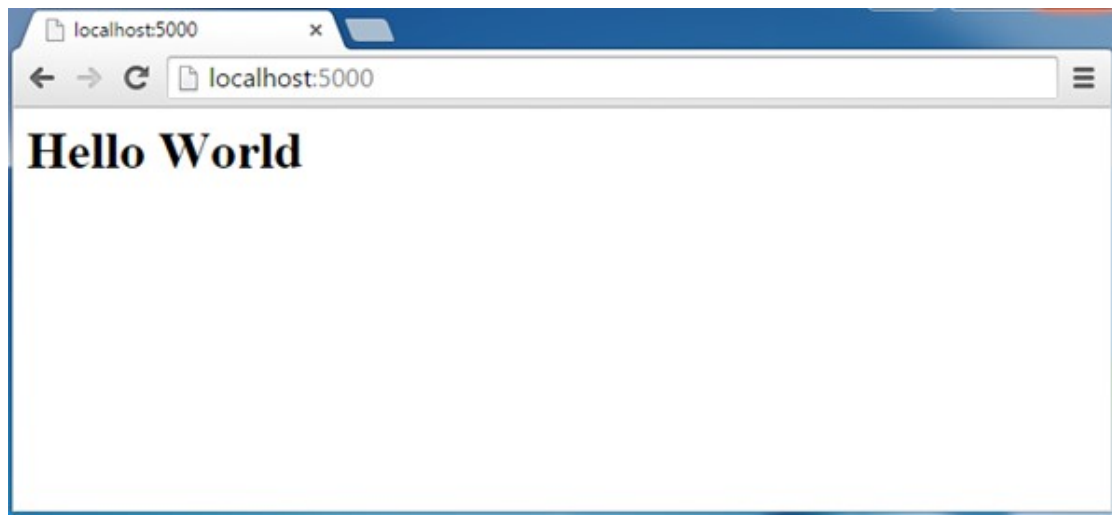
app.get('/', function (req, res) {
    res.send('<html><body><h1>Hello
World</h1></body></html>');
});

app.post('/submit-data', function (req,
res) {
    res.send('POST
Request');
});

app.put('/update-data',function (req,
res) {
    res.send('PUT
Request');
});

app.delete('/delete-data', function (req,
res) {
    res.send('DELETE
Request');
});

var server = app.listen(5000, function () {
    console.log('Node server is
running..');
});
```



```
<!DOCTYPE html>

<html    xmlns="http://www.w3.org/1999/xhtml">
<head>
    <meta    charset="utf-8"    />
    <title></title>
</head>
<body>
    <form    action="/submit-student-data"
method="post">
        First    Name:
<input    name="firstName"    type="text"    />    <br />
        Last Name:    <input
name="lastName"    type="text"    />    <br />
        <input
type="submit"    />
    </form>
</body>
</html>
```

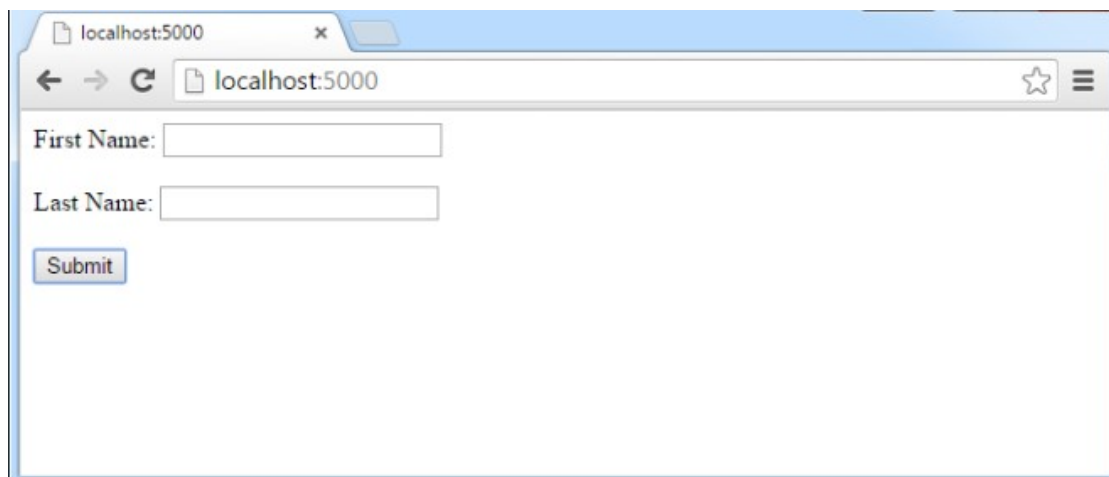
Handle post request

```
var    express    =
require('express'); var    app
=    express();
var    bodyParser    =    require("body-parser");
app.use(bodyParser.urlencoded({    extended:
false    })); app.get('/',    function    (req,
res) {
    res.sendFile('index.html');
});
```

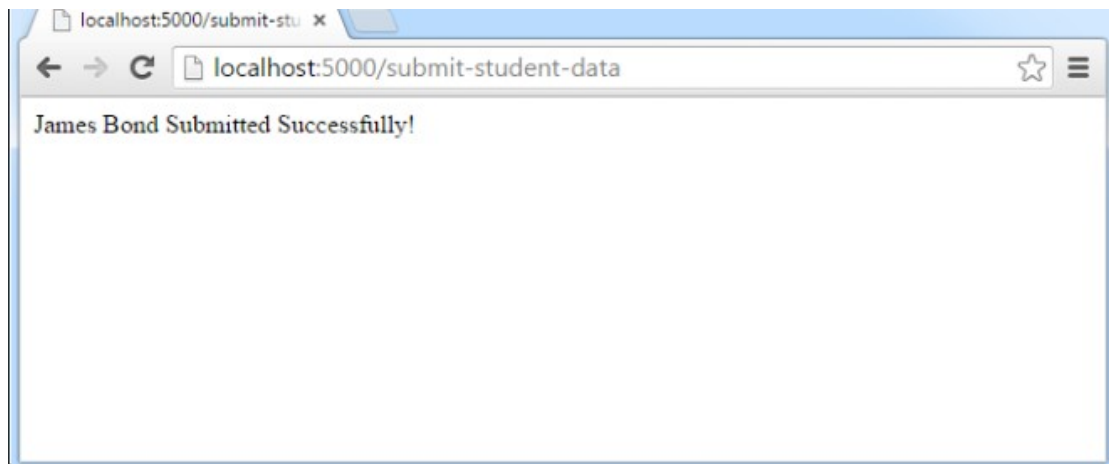
```

app.post('/submit-student-data', function
(req, res) {
  var
  name = req.body.firstName + ' '
  + req.body.lastName;
  res.send(name + '
Submitted Successfully!');
});
var server = app.listen(5000, function () {
  console.log('Node server is
running..');
});

```



A screenshot of a web browser window with the address bar showing 'localhost:5000'. The page contains a simple form with two text input fields. The first field is labeled 'First Name:' and the second is labeled 'Last Name:'. Below these fields is a blue 'Submit' button.



QUESTION 7

7.

- i) Write a HTML and node.js program for creating and storing session information of user. The HTML page contains username, password, remember me next time check box option and login button.
- ii) Assume, the user name and password are already registered in the node.js server.
- iii) Perform the following:
 - a. If the user enters invalid user username or password, display appropriate error message.
 - b. After successful login, display welcome message.
 - c. Allow the user to enter username and password for 3 times. If the user enters username and password more than 3 times, display the message "you are blocked".

```

home
<%@ page language="java"      contentType="text/html;
charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>    <%@ page
import="java.sql.*" %>
<!DOCTYPE html PUBLIC      "-//W3C//DTD      HTML 4.01
Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta      http-equiv="Content-Type"      content="text/html;
charset=ISO-8859-1">
<title>Home</title>
</head>
<body>
<%
Connection      con= null;
PreparedStatement      ps      =      null;
ResultSet rs      =      null;

String      driverName      =      "com.mysql.jdbc.Driver";
String      url      =      "jdbc:mysql://localhost:3306/record";
String      user      =      "root";
String      password      =      "root";

String      sql      =      "select      usertype      from userdetail";

try {
Class.forName(driverName);
con =      DriverManager.getConnection(url,      user,
password);      ps      =      con.prepareStatement(sql);
rs      =      ps.executeQuery();
%>
<form      method="post"      action="login.jsp">
<center><h2      style="color:green">JSP      Login      Example</
h2></center>
<table      border="1"      align="center">
<tr>
<td>Enter Your Name :</td>
<td><input      type="text"      name="name" /></td>
</tr>
<tr>
<td>Enter Your Password      :</td>
<td><input      type="password"      name="password" /></td>
</tr>
<tr>
<td>Select      UserType</td>
<td><select      name="usertype">
<option      value="select">select</option>
<%
while(rs.next())
{
String      usertype      =      rs.getString("usertype");

```



```

%>
<option value=<%=usertype%>><%=usertype%></option>
<%
}
}
catch(SQLException sqe)
{
out.println("home"+sqe);
}
%>
</select>
</td>
</tr>
<tr>
<td></td>
<td><input type="submit" value="submit"/></td>
</table>
</form>
</body>
</html>

login
<%@ page language="java" contentType="text/html;
charset=ISO-8859-1" pageEncoding="ISO-8859-1"%> <%@ page
import="java.sql.*" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01
Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=ISO-8859-1">
<title>Login</title>
</head>
<body>
<%! String userdbName;
String userdbPsw;
String dbUsertype;
%>
<%
Connection con= null;
PreparedStatement ps = null;
ResultSet rs = null;

String driverName = "com.mysql.jdbc.Driver";
String url = "jdbc:mysql://localhost:3306/record";
String user = "root";
String dbpsw = "root";

String sql = "select * from userdetail where
name=? and password=? and usertype=?";

String name = request.getParameter("name");
String password = request.getParameter("password");

```

```

String    usertype    =    request.getParameter("usertype");

if((!(name.equals(null)    ||    name.equals(""))    &&    !
(password.equals(null)    ||    password.equals("")))    &&    !
usertype.equals("select"))
{
try{
Class.forName(driverName);
con    =    DriverManager.getConnection(url,    user,    dbpsw);
ps    =    con.prepareStatement(sql);    ps.setString(1,
name);    ps.setString(2,    password);    ps.setString(3,
usertype);    rs    =    ps.executeQuery();
if(rs.next())
{
userdbName    =    rs.getString("name");    userdbPsw    =
rs.getString("password");    dbUstype    =
rs.getString("usertype");
if(name.equals(userdbName)    &&    password.equals(userdbPsw)
&&    usertype.equals(dbUstype))
{
session.setAttribute("name",userdbName);
session.setAttribute("usertype",    dbUstype);
response.sendRedirect("welcome.jsp");
}
}
else
response.sendRedirect("error.jsp");
rs.close();    ps.close();
}
catch(SQLException    sqe)
{
out.println(sqe);
}
}
else
{
%>
<center><p    style="color:red">Error    In    Login</p></
center>
<%
getServletContext().getRequestDispatcher("/
home.jsp").include(request,    response);
}
%>
</body>    </html>
welcome.jsp

<%@    page language="java"    contentType="text/html;
charset=ISO-8859-1"    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC    "-//W3C//DTD    HTML 4.01
Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>

```

```

<meta      http-equiv="Content-Type"      content="text/html;
charset=ISO-8859-1">
<title>Welcome</title>
</head>
<body>
<p>Welcome,      <%=session.getAttribute("name")%></p>
<p><a      href="logout.jsp">Logout</a>
</body>
</html>

```

error

```

<%@  page language="java"      contentType="text/html;
charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC      "-//W3C//DTD      HTML 4.01
Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta      http-equiv="Content-Type"      content="text/html;
charset=ISO-8859-1">
<title>Login      Error</title>
</head>
<body>
<center><p      style="color:red">Sorry, your record      is
not      available.</p></center>
<%
getServletContext().getRequestDispatcher("/
home.jsp").include(request,      response);      %>
</body>
</html>

```


logout

```

<%@  page language="java"      contentType="text/html;
charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC      "-//W3C//DTD      HTML 4.01
Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta      http-equiv="Content-Type"      content="text/html;
charset=ISO-8859-1">
<title>Logout</title>
</head>
<body>
<%      session.invalidate();      %>
<p>You      have been successfully      logout</p>
</body>
</html>

```

OUTPUT

 Apps For quick access, place your bookmarks here on the bookmarks bar. Import bookmarks now...	
<h3>JSP Login Example</h3>	
Enter Your Name :	<input type="text"/>
Enter Your Password :	<input type="password"/>
Select UserType	<input type="text" value="select"/> ▼
	<input type="button" value="submit"/>

JSP Login Example

Enter Your Name :	<input type="text" value="deepak"/>
Enter Your Password :	<input type="password" value="••••••"/>
Select UserType	<input type="text" value="user"/> ▼
	<input type="button" value="submit"/>

Welcome, deepak

[Logout](#)

JSP Login Example

Enter Your Name :	<input type="text" value="deepak"/>
Enter Your Password :	<input type="password" value="•"/>
Select UserType	<input type="text" value="admin"/> ▼
	<input type="button" value="submit"/>

JSP Login Example

Enter Your Name :	<input type="text"/>
Enter Your Password :	<input type="password"/>
Select UserType	<input type="text" value="select"/>
<input type="button" value="submit"/>	

Sorry, your record is not available.

JSP Login Example

Enter Your Name :	<input type="text" value="deepak"/>
Enter Your Password :	<input type="password"/>
Select UserType	<input type="text" value="select"/>
<input type="button" value="submit"/>	