AIM

Model a simple HTML file describing your hometown (demonstrate the use of different tags).

Program Code

home.html

```
<html>
<head>
<title>home </title>
</head>
<body bgcolor=" #e6f2ff">
<div>
 <ul
  <li><a href="home.html">Home</a></li>
  <li><a href="places.html">Attraction</a></li>
  <li><a href="https://goo.gl/maps/UaCo22NrCUxS1VVQ6">Locate</a></li>
</ul>
</div><br>
<div>
<img src="rajakumari.jpg"">
<img src="munnar.jpeg">
<img src="mulantandu.jpeg">
<img src="swargamedu.jpeg">
</div>
<h1 aligin="center">Rajakumari</h1>
```

<p><i>Rajakumari village is located in Udumbanchola taluka of Idukki district in Kerala, India. It is situated 32km away from sub-district headquarter Nedumkandam (tehsildar office) and 63km away from district headquarter Painavu. As per 2009 stats, Rajakumari village is also a gram panchayat.</p>

<p>The total geographical area of village is 4454 hectares. Rajakumari has a total population of 16,253 peoples, out of which male population is 8,127 while female population is 8,126.

Literacy rate of rajakumari village is 81.62% out of which 84.88% males and 78.37% females are literate. There are about 4,233 houses in rajakumari village. Pincode of rajakumari village locality is 685619.

</i></p>

<div>

<h4>Nearby Villages of Rajakumari</h4>

 Konnathady

 Rajakkad

 Baisonvally

 Chinnakanal

 Poopara

 Kanthippara

 Santhanpara

 Chathurangapara

 Udumbanchola

 Vathikudy

 Upputhode

</body>

</html>

places.html

</html>

<html>

<head>

<title>home </title>

</head>

<body bgcolor=" #e6f2ff">

<div>

  Home

```
</ul>

<br>

<h3>Places to visit in Rajakumari </h3>

<h2>Munnar</h2>

<img src="munnar1.jpg">

<p><i>Munnar rises as three mountain streams merge  - Mudrapuzha, Nallathanni and
Kundala. 1,600 m above sea level, this hill station was once the summer resort of the
erstwhile British Government in South India. One of the most sought after honeymoon
destinations in Kerala, Munnar is replete with resorts and logding facilities that fit a wide
rage of budgets. Sprawling tea plantations, picturesque towns, winding lanes and holiday
facilities make this a popular resort town. Among the exotic flora found in the forests and
grasslands here is the Neelakurinji. This flower which bathes the hills in blue once in every
twelve years, will bloom next in 2030. Munnar also has the highest peak in South India,
Anamudi, which towers over 2,695 m. </i></p>

<a href="">Location</a>

<h2>Eravikulam National Park</h2>

<img src="park.jpg">

<p><i>One of the main attractions near Munnar is the Eravikulam National Park. This park is
famous for its endangered inhabitant - the Nilgiri Tahr. Spread over an area of 97 sq. km.,
this park is also home to several species of rare butterflies, animals and birds. A great place
for trekking, the park offers a magnificent view of the tea plantations caressed by blankets of
mists. The park becomes a hot destination when the hill slopes here get covered in a carpet of
blue, resulting from the flowering of the Neelakurinji. It is a plant endemic to this part of the
Western Ghats which blooms once in twelve years.

</i></p>

<h2>Mullanthandu</h2>

<img src="mulantandu.jpeg">

Mullanthandu is one of the less explored areas in Idukki. With it's incredible view around and
easy access this place will definitely fit in your imagination. It is a tourist destination near
Pooppara in Idukki district of Kerala. Being an untold destination for the tourists, this is one
of the beautiful places in Idukki. Bikes and Jeeps can be reached to the top of the hills. As
you reach the peak, you will discover that the clouds literally envelop the whole place, giving
you the ethereal feeling of walking on them. The location is around 2 Km from Pooppara.

</body>

</html>
```

Output

home.html

- Home
- Attraction
- Locate

Rajakumari

Rajakumari village is located in Udumbanchola taluka of Idukki district in Kerala, India. It is situated 32km away from sub-district headquarter Nedumkandam (tehsildar office) and 63km away from district headquarter Painavu. As per 2009 stats, Rajakumari village is also a gram panchayat.

The total geographical area of village is 4454 hectares. Rajakumari has a total population of 16,253 peoples, out of which male population is 8,127 while female population is 8,126. Literacy rate of rajakumari village is 81.62% out of which 84.88% males and 78.37% females are literate. There are about 4,233 houses in rajakumari village. Pincode of rajakumari village locality is 685619.

Nearby Villages of Rajakumari

- Konnathady
- Rajakkad
- Baisonvally
- Chinnakanal
- Poopara
- Kanthippara

places.html

- Home

Places to visit in Rajakumari

Munnar

Munnar rises as three mountain streams merge - Mudrapuzha, Nallathanni and Kundala. 1,600 m above sea level, this hill station was once the summer resort of the erstwhile British Government in South India. One of the most sought after honeymoon destinations in Kerala, Munnar is replete with resorts and logding facilities that fit a wide rage of budgets. Sprawling tea plantations, picturesque towns, winding lanes and holiday facilities make this a popular resort town. Among the exotic flora found in the forests and grasslands here is the Neelakurinji. This flower which bathes the hills in blue once in every twelve years, will bloom next in 2030. Munnar also has the highest peak in South India, Anamudi, which towers over 2,695 m.

FEDERAL INSTITUTE OF SCIENCE & TECHNOLOGY (FISAT)

Location

Eravikulam National Park

AIM

Create a webpage for displaying your biodata which contains images, tables, and also link within a page.

Program Code

biodata.html

```
<html>

<head>

<title>biodata</title>

</head>

<body bgcolor="#e6f2ff"><br>

<h1 align="center">BIODATA</h1>

<br>

<h2 align="center">Arun Kuriakose</h2>

<div align="center">

<img  style="vertical-align:top" src="person.png" alt="image here" width="160"
height="170">

<br>

<ul><li style="list-style-type:none;"><a href="personal.html">Personal Details</a>

<br><br>

<li style="list-style-type:none;"><a href ="acadamic.html">Academic Details<a></ul>

</div>

</body>

</html>
```

academic.html

```
<html>

<head>

<title>academicdetails</title>

</head>
```

```
<body bgcolor="#e6f2ff">

<br>

<h1 align="center">ACADEMIC DETAILS</h1>

<style>table, th, td {

  border: 5px solid white;

  border-collapse: collapse;

} table {

  width: 50%;

  height:50%;

}

th, td {

  background-color: #96D4D4;

}

}</style>

<table align="center">

<tr>

<th>Qualification</th>

<th>Institution</th>

<th>Passing Year</th>

<th>Percentage</th></tr>

<tr>

<td>SSLC</td>

<td>SNVHSS N.R City</td>

<td>2017</td>

<td>82%</td>

</tr>

<tr><td>Plus Two</td>

<td>SNVHSS N.R City</td>

<td>2019</td>
```

```
<td>72%</td>

</tr>

<tr>

<td>BCA</td>

<td>NSS College Rajakumari</td>

<td>2022</td>

<td>70%</td>

</tr>

</table>

</body>

</html>
```

personal.html

```
<html>

<head>

<title>personaldetails</title>

</head>

<body bgcolor="#e6f2ff">

<br>

<h1 align="center">PERSONAL DETAILS</h1>

<style>table, th, td {

  border: 5px solid white;

  border-collapse: collapse;

} table {

  width: 50%;

  height:50%;

}

th, td { background-color: #96D4D4;

}

}</style>
```

```
<table align="center" border=5px">
<tr>
<th>Name</th>
<td>Arun Kuriakose</td>
</tr>
<tr>
<th>DOB</th>
<td>15-07-2001</td>
</tr>
<tr>
<th>Father Name</th>
<td>Kuriakose P V</td>
</tr>
<tr>
<th>Mother Name</th>
<td>Jincy Kuriakose</td>
</tr>
<tr>
<th>Siblings Name</th>
<td>Anjitha P Kuriakose</td>
</tr>
<tr>
<th>Address</th>
<td>Palal (H) Rajakumari P.O,Rajakumari,Idukki,Kerala</td>
</tr>
<tr><th>Phone no</th>
<td>7907252037</td>
</tr>
</table>
```
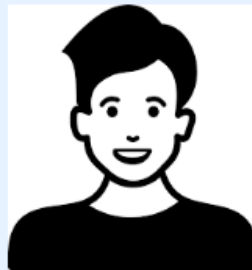
```
</body>

</html>
```

Output

biodata.html

BIODATA

Arun Kuriakose

Personal Details

Academic Details

personal.html

PERSONAL DETAILS

Name	Arun Kuriakose
DOB	15-07-2001
Father Name	Kuriakose P V
Mother Name	Jincy Kuriakose
Siblings Name	Anjitha P Kuriakose
Address	Palal (H) Rajakumari P.O,Rajakumari,Idukki,Kerala
Phone no	7907252037

academic.html

ACADEMIC DETAILS

Qualification	Institution	Passing Year	Percentage
SSLC	SNVHSS N.R City	2017	82%
Plus Two	SNVHSS N.R City	2019	72%
BCA	NSS College Rajakumari	2022	70%

AIM

Design an application form for MCA course in FISAT using HTML.

Program Code

```
<html>

<head>

<title>registration form</title>

<body bgcolor="#e9ecef">

<form method="post">

<table align="center">

<h2 align="center">Registration Form</h2>

<tr><th>Name</th><td><input type="text" name="name" size ="30" placeholder="Enter your name"></td></tr>

<tr>

<th>Address</th><td><textarea name="address" cols="31" rows="5" placeholder="Address..........."></textarea></td></tr>

<tr><th>Phone</th><td><input type="number" name="ph" size ="10" placeholder="Phone number"></td></tr>

<tr><th>Father's Name</th><td><input type="text" name="fname" size ="30" placeholder="Father's name"></td></tr>

<tr><th>Mother's Name</th><td><input type="text" name="mname" size ="30" placeholder="Mother's name"></td></tr>

<tr><th>Email</th><td><input type="email" name="email" size ="30" placeholder="Email"></td></tr>

<tr><th>Date of Birth</th><td><input type="date" name="name" size ="8"></td></tr>

<tr><th>Gender</th><td><input type="radio" name="gen" value="male">Male</td>

<tr><th></th><td><input type="radio" name="gen" value="female">Female</td></tr>

<tr><th></th><td><input type="radio" name="gen" value="other">Other</td></tr>

<tr><th>10<sup>th </sup>Percentage</th><td><input type="number" name="sslc" size="5" placeholder="10th percentage"></td></tr>

<tr><th>Plus Two</th><td><input type="number" name="plustwo" size="5"placeholder="Plustwo percentage"></td></tr>
```

```
<tr><th>Degree</th><td><select
name="degree"><<option>BCA<option>Bsc</option><option>BCom<option>Others</sele
ct></td>

<tr><th>Degree Percentage</th><td><input type="text" name="degreeper" size="30"
placeholder="degree percentage"></td></tr>

<tr><td align="right"><input type="button" name="apply" value="Apply"><input
type="button" name="clear" value="Reset"></td></tr>

</table>

</form>

</body>

</html>
```

Output

AIM

Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.

Program Code

home.html

```
<html>

<head>

<title>home</title></head>

<body>

<h1 align="center">Frames</h1>

<a href="frame.html">Navigation Frame</a><br><br>

<a href="mixed.html">Mixed Frame</a><br><br>

<a href="floating.html">Floating Frame</a><br><br>

</body>

</html>
```

frame.html

```
<html>

<head>

<title>frames</title>

</head>

<frameset cols="50%,50%">

<frame name="mainF" src="fisat.html">

<frame name="navF" src="course.html">

</frameset>

<body>

<iframe cols="*" src="https://www.google.com" height="50%" width="50%">There would be an floating frame here if your browser supported it.

</iframe>

</body>
```

```
</html>
```

fisat.html

```
<html>

<head>

<title>fisat</title></head>

<body>

<h1>Contents</h1>

</body>

</html>
```

course.html

```
<html>

<head>

<title>frames</title>

</head>

<body>

<h1>FISAT</h1>

<h4><u>Courses Offered</u></h4>

<h5><u>UG</u></h5>

<a href="">Civil Engineering</a><br>

<a href="">Computer Science & Engineering</a><br>

<a href="">Electronic & Communication Engineering</a><br>

<a href="">Electrical & Electronics Engineering</a><br>

<a href="">Electronics & Instrumentation Engineering</a><br>

<a href="">Mechanical Engineering</a><br>

<a href="">Computer Science & Design</a><br>

<h5><u>PG</u></h5>

<a href="mca.html" target="mainF">MCA</a><br>

<a href="mba.html" target="mainF">MBA</a><br>

<a href="">MTech in Artificial Intelligence and Data Science</a><br>
```

```
<a href="">M Tech in Power Electronics and Power Systems</a><br>

<a href="">M Tech in Renewable Energy</a><br>

<a href="">M Tech in VLSI & Embedded Systems</a><br>

<a href="">M Tech in Structural Engineering & Construction Management</a><br>

<h5><u>PhD</u></h5>

<a href="">Civil Engineering</a><br>

<a href="">Computer Science & Engineering</a><br>

<a href="">Electronic & Communication Engineering</a><br>

<a href="">Electrical & Electronics Engineering</a><br>

<a href="">Electronics and Instrumentation</a><br>

<a href="">Mechanical Engineering</a><br>

<a href="">Basic Sciences</a><br>

</body>

</html>
```

mca.html

```
<html>

<head>

<title>mca</title></head>

<body>

<h1>Master Of Computer Application</h1>

<p><i>
```

Established in the year 2006, the Department of Computer Applications is currently offering a professional two-year PG Programme in Computer Applications with an annual intake of 120. The MCA programme at FISAT is affiliated to APJ Abdul Kalam Technological University and is recognized by AICTE. The course is designed for aspirants who want to outshine and excel in the world of technology. The department aims to achieve academic excellence by focusing on the key activities like providing quality education to students, enhancing their learning skills and giving them training to acquire the professional skills required for their career with an objective of making them socially committed professionals.

```
<br>
```

The department has adequate infrastructure and Internet access facilities to enable effective teaching & learning processes. The department exercises strategic planning at the beginning

establishing a system of quality assurance on a continuous basis. The department constantly strives to improve the knowledge and skill sets of the students by organizing various course related and extracurricular activities. Considering the industrial and societal needs, the department offers suitable add-on programmes and expert talks to bridge the gap between industry and academia.

The department organizes many value-added programs like conferences, workshops, webinars, project exhibitions and personality development courses.The Department of Computer Applications always encourages the students and promotes them to follow good and healthy activities which will help them to compete and succeed in the fast changing computer world. The department started a common telegram channel "FM DIARY", to provide a platform for the students to share their thoughts, ideas and knowledge and practice some healthy activities.

A team of qualified and committed faculty with ample experience is the highlight of the department. The students' of the department consistently bagged top spots in the University Examinations. A large number of students from our department get placed every year in national and multinational companies like IBM, TCS, UST Global, IBS, Tata Elexi, Bosch and banks like Federal Bank etc.

</i></p>

</body>

</html>

mba.html

<html>

<head>

<title>mba</title></head>

<body>

<h1>Master Of Business Administration</h1>

<p><i>

FISAT Business School (FBS), established and managed by Federal Bank Officers Association Educational Society (FBOAES), is a Management Institution under the aegis of APJ Abdul Kalam Technological University and recognized by AICTE. FBOAES, formed with the aim of establishing a Center of Excellence for professional education, is an initiative of the Federal Bank Officers Association (FBOA), the sole representative body of the entire officers in The Federal Bank with 35 years of yeomen services to its credit. This is a novel venture from the Federal fraternity, which has operations spread over the entire span of the country and overseas as well.

```
<br>
```

The MBA programme at FBS is designed to provide the knowledge, attitude and skills that are essential to become an effective leader in a multitude of organizational settings. We emphasis on the holistic development of the students and the course work is designed to inculcate a positive and ethical outlook to the students We also have regular interaction sessions with leaders and practising managers from leading business enterprises Workshops and Seminars with joint participation of visiting faculties from business and our students is a regular feature.`<br>`

At FBS we take it as our proud policy that FBS stands also for Faculty-driven Business School. In letter and spirit we ensure that the faculty plays a major role in running the B school. We have a dedicated team of faculty who are passionate about creating future leaders for Business and Society and above all other building blocks that make the B School, comes the Faculty council.

```
</i></p>
</body>
</html>
```

mixed.html

```
<html>
<head><title>mixed</title></head>
<frameset cols="200,*">
<frame name="navF" src="course1.html">
<frameset rows="30%,70%">
<frame name="upperF" src="fisat.html">
<frame name="lowerF" src="mca.html">
</frameset>
</frameset>
</html>
```

course1.html

```
<html>
<head>
<title>mixed</title></head>
<body>
<h1>FISAT</h1>
```

```html
<h4><u>Courses Offered</u></h4>

<a href="mca.html" target="lowerF">MCA</a><br>

<a href="mba.html" target="lowerF">MBA</a><br>

</body>

</html>
```

floating.html

```html
<html>

<head><title>floating frame</title></head>

<body>

<iframe src="https://fisat.ac.in/" height="85%" width="85%">

</iframe>

</body>

</html>
```

Output

home.html

Frames

Navigation Frame

Mixed Frame

Floating Frame

frame.html

Master Of Computer Application

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The department has adequate infrastructure and Internet access facilities to enable effective teaching & learning processes. The department exercises strategic planning at the beginning of each academic year aiming at becoming a centre of excellence in professional education by establishing a system of quality assurance on a continuous basis. The department constantly strives to improve the knowledge and skill sets of the students by organizing various course related and extracurricular activities. Considering the industrial and societal needs, the department offers suitable add-on programmes and expert talks to bridge the gap between industry and academia.

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FISAT

Courses Offered

UG

Civil Engineering
Computer Science & Engineering
Electronic & Communication Engineering
Electrical & Electronics Engineering
Electronics & Instrumentation Engineering
Mechanical Engineering
Computer Science & Design

PG

MCA
MBA
MTech in Artificial Intelligence and Data Science
M Tech in Power Electronics and Power Systems
M Tech in Renewable Energy
M Tech in VLSI & Embedded Systems
M Tech in Structural Engineering & Construction Management

PhD

Civil Engineering
Computer Science & Engineering
Electronic & Communication Engineering
Electrical & Electronics Engineering
Electronics and Instrumentation
Mechanical Engineering
Basic Sciences

mixed.html

FISAT

Courses Offered
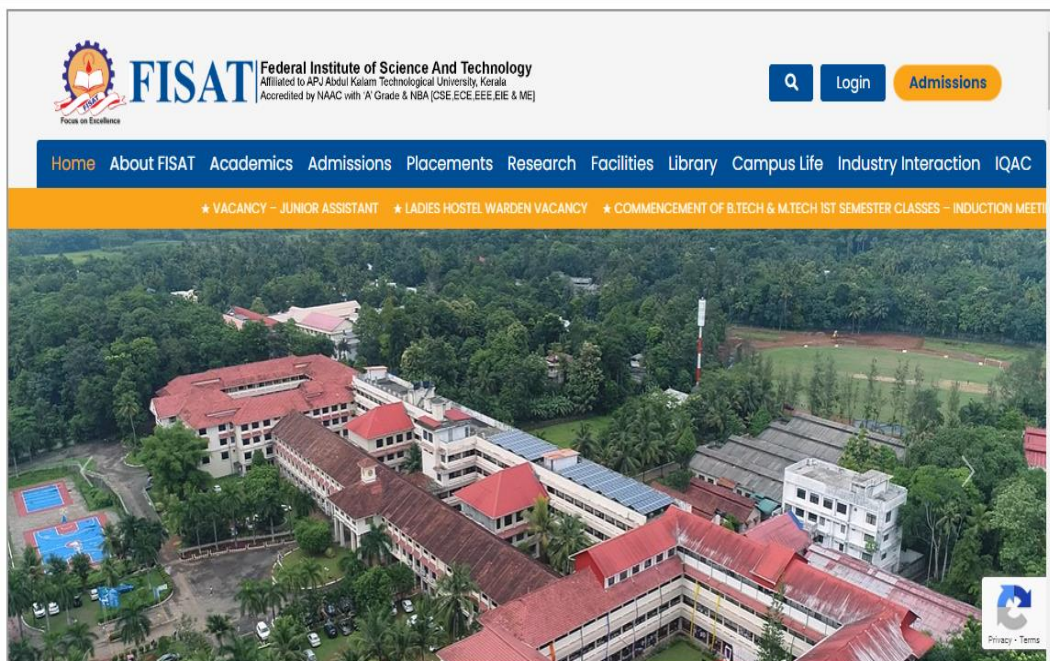
MCA
MBA

Contents

Master Of Computer Application

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floating.html

AIM

Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.

Program Code

csshome.html

```
<html>

<head><title>css</title></head>

<body bgcolor="powderblue">

<h1 align="center">CSS</h1>

<br><brr>

<div align="center">

<h3><a href="inlinecss.html">Inline CSS</a><br><br>

<a href="internalcss.html">Internal CSS</a><br><br>

<a href="externalcss.html">Extenal CSS</a><br><br></h3>

</div>

</body>

</html>
```

inlinecss.html

```
<html>

<head>

<title>Inline css</title>

</head>

<body style="background-image: linear-gradient(powderblue, yellow, blue);">

<h3 style=" color:00gtuf; font-family: Quicksand; "> Inline CSS </h3>

<h3 style=" color:00gtuf; font-family: Quicksand; "> FISAT </h3>

<p style="color:blue;font-family: courier;font-size:24px;">
```

  The Federal Institute of Science and Technology (FISAT) is a self-financing private engineering college established and promoted by the Federal Bank Officers' Association Educational Society (FBOAES). The FBOAES is an initiative of the Federal Bank Officers' Association (FBOA), the sole representative body of all Federal Bank officers. Federal

Institute of Science and Technology (FISAT) occupies a unique position in South India's Professional Education Sector. FISAT has been designed and developed to become a "Centre of Excellence" in professional education, with the motto "Focus on Excellence." Established in 2002, the college has carved a niche for itself in the education sector, as evidenced by its students' outstanding performance in academics, placements, and extra-curricular and co-curricular activities. FISAT has launched an ambitious plan to improve the quality and value of education while also developing high-quality individuals. The institution is accredited by the National Assessment and Accreditation Council (NAAC) with an 'A' grade. The National Board of Accreditation (NBA) has accredited five B.Tech programmes. The institution is also ISO 9001:2015 certified. FISAT is located in Mookannoor, near Angamaly in Ernakulam District, Kerala, the birthplace of The Federal Bank Ltd. founder, Late K P Hormis, and the campus is named "Hormis Nagar" in his honour. FISAT is affiliated with APJ Abdul Kalam Technological University (KTU) and is approved by the All India Council for Technical Education (AICTE), New Delhi. FISAT offers seven B.Tech engineering programmes, an MBA programme (with specialisations in Finance, Marketing, Human Resource Management, Information System, Production & Operations Management, and International Business), an MCA programme, five M.Tech programmes and PhD programmes

```
 </p>

</body>

</html>
```

internalcss.html

```
<html>

<head>

<title>Internal css</title>

</head>

<style>

body {background-color:     #ccf5ff;}

h1   {color: blue;}

p    {color: red;}

</style>

</head>

<body>

<h1>Internal css</h1>

<h1>MCA</h1>

<p>
```

Established in the year 2006, the Department of Computer Applications is currently offering a professional two-year PG Programme in Computer Applications with an annual intake of 120. The MCA programme at FISAT is affiliated to APJ Abdul Kalam Technological University and is recognized by AICTE. The course is designed for aspirants who want to outshine and excel in the world of technology. The department aims to achieve academic excellence by focusing on the key activities like providing quality education to students, enhancing their learning skills and giving them training to acquire the professional skills required for their career with an objective of making them socially committed professionals.

The department organizes many value-added programs like conferences, workshops, webinars, project exhibitions and personality development courses.The Department of Computer Applications always encourages the students and promotes them to follow good and healthy activities which will help them to compete and succeed in the fast changing computer world. The department started a common telegram channel "FM DIARY", to provide a platform for the students to share their thoughts, ideas and knowledge and practice some healthy activities.

A team of qualified and committed faculty with ample experience is the highlight of the department. The students' of the department consistently bagged top spots in the University Examinations. A large number of students from our department get placed every year in national and multinational companies like IBM, TCS, UST Global, IBS, Tata Elexi, Bosch and banks like Federal Bank etc.

</p>

</body>

</html>

externalcss.html

<html>

<head>

<title>External css</title>

 <link rel="stylesheet" href="style.css">

</head>

<body>

<h1>External css</h1>

<h1>MCA</h1>

<p>

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</p>

</body>

</html>

style.css

```css
body {
  background-color: #99e6ff;
}
h1 {
  color:        #adad85;
}
p {
  color:        #004080;
}
```

Output

csshome.html

CSS

Inline CSS

Internal CSS

Extenal CSS

inlinecss.html

Inline CSS

FISAT

The Federal Institute of Science and Technology (FISAT) is a self-financing private engineering college established and promoted by the Federal Bank Officers' Association Educational Society (FBOAES). The FBOAES is an initiative of the Federal Bank Officers' Association (FBOA), the sole representative body of all Federal Bank officers. Federal Institute of Science and Technology (FISAT) occupies a unique position in South India's Professional Education Sector. FISAT has been designed and developed to become a "Centre of Excellence" in professional education, with the motto "Focus on Excellence." Established in 2002, the college has carved a niche for itself in the education sector, as evidenced by its students' outstanding performance in academics, placements, and extra-curricular and co-curricular activities. FISAT has launched an ambitious plan to improve the quality and value of education while also developing high-quality individuals. The institution is accredited by the National Assessment and Accreditation Council (NAAC) with an 'A' grade. The National Board of Accreditation (NBA) has accredited five B.Tech programmes. The institution is also ISO 9001:2015 certified. FISAT is located in Mookannoor, near Angamaly in Ernakulam District, Kerala, the birthplace of The Federal Bank Ltd. founder, Late K P Hormis, and the campus is named "Hormis Nagar" in his honour. FISAT is affiliated with APJ Abdul Kalam Technological University (KTU) and is approved by the All India Council for Technical Education (AICTE), New Delhi. FISAT offers seven B.Tech engineering programmes, an MBA programme (with specialisations in Finance, Marketing, Human Resource Management, Information System, Production & Operations Management, and International Business), an MCA

internalcss.html

Internal css

MCA

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externalcss.html

External css

MCA

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AIM

Create a HTML registration form and to validate the form using JavaScript code.

Program Code

```
<html>
<head>
<title>registration form</title>
<script>
function validateForm() {
var x = document.forms["myForm"]["name"].value;
var y = document.forms["myForm"]["address"].value;
if (x == "") {
alert("Name must be filled out");
return false;}
if (y == "") {
alert("Address must be filled out");
return false;}
var num = document.forms["myForm"]["ph"].value;
if (isNaN(num)) {
document.getElementById("numberText").innerHTML = "Please enter Numeric value";
return false; }
}</script></head>
<body bgcolor="#e9ecef">
<form name="myForm" action="#" onsubmit="return validateForm()" method="post">
<table align="center">
<h2 align="center">Registration Form</h2>
<tr><th>Name</th><td><input type="text" name="name"  placeholder="Enter your name"></td></tr>
<tr>
```

```
<th>Address</th><td><textarea name="address" cols="31" rows="5"
placeholder="Address.........."></textarea></td></tr>

<tr><th>Phone</th><td><input type="text" name="ph" size ="10" placeholder="Phone
number"><span id="numberText"></span></td></tr>

<tr><th>Email</th><td><input type="email" name="email" size ="30"
placeholder="Email"></td></tr>

<tr><td align="right"><input type="submit" value="Submit"></td></tr>

</table>

</form>

</body>

</html>
```

Output

This page says

Name must be filled out

OK

Address

Phone Phone number

Email Email

Submit

Registration Form

Name arun

Address house

Phone fdgfc Please enter Numeric value

Email Email

Submit

AIM

Create a HTML page to explain the use of various predefined functions in a string and math object in java script.

Program Code

```
<html>
<head>
<title>string functions
</title>
<style>
html,
body
 {
        height: 100%;
}
body
{
        margin: 0;
        background: linear-gradient(45deg, #49a09d, #5f2c82);
        font-family: sans-serif;
        font-weight: 100;
}
table
{
        width: 800px;
        border-collapse: collapse;
        overflow: hidden;
        box-shadow: 0 0 20px rgba(0,0,0,0.1);
}
th,
td
{
        padding: 15px;
        background-color: rgba(255,255,255,0.2);
        color: #fff;
}
Th
 {
        text-align: left;
}

</style>
```

```
<script>
function validateForm() {
//string functions
var str = document.forms["myForm"]["string"].value;
var str1 = document.forms["myForm"]["string2"].value;
document.getElementById("len").innerHTML = str.length;
document.getElementById("slice").innerHTML = str.slice(3,6);
document.getElementById("substring").innerHTML = str.substring(2,5);
document.getElementById("substr").innerHTML = str.substr(1,3)
document.getElementById("replace").innerHTML = str.replace(str,"hello world");
document.getElementById("replaceall").innerHTML = str.replaceAll(str,"have a nice day");
document.getElementById("upper").innerHTML = str.toUpperCase();
document.getElementById("lower").innerHTML = str.toLowerCase();
document.getElementById("concat").innerHTML = str.concat(" ",str1);
document.getElementById("charat").innerHTML = str.charAt(0);
//math functions
var num= document.forms["myForm"]["num"].value;
document.getElementById("round").innerHTML = Math.round(num);
document.getElementById("floor").innerHTML = Math.floor(num);
document.getElementById("ceil").innerHTML = Math.ceil(num);
document.getElementById("trunc").innerHTML = Math.trunc(num);
document.getElementById("sign").innerHTML = Math.sign(num);
document.getElementById("power").innerHTML = Math.pow(num,2);
document.getElementById("sqrt").innerHTML = Math.sqrt(num);
document.getElementById("absolute").innerHTML = Math.abs(num);
document.getElementById("sin").innerHTML = Math.sin(num);
document.getElementById("cos").innerHTML = Math.cos(num);
document.getElementById("random").innerHTML = Math.random();
document.getElementById("log").innerHTML = Math.log(num);
}
</script>
</head>
<body bgcolor="d5e9dd">
<form name="myForm" action="#"  method="post">
<table align="center">
<h2 align="center">String Function
</h2>
<tr><th>Enter 1st string</th><td><input type="text" name="string"  placeholder="Enter a string"></td><td></td></tr>
<tr><th>Enter 2nd string</th><td><input type="text" name="string2"  placeholder="Enter a string"></td><td></td></tr>
<tr><th>Length</th><td><p id="len"></p></td><td><i>display length of string</i></td></tr>
```

```
<tr><th>Slice</th><td><p id="slice"></p></td><td><i>display 4,5,6 characters of
string</i></td></tr>
<th>Substring</th><td><p id="substring"></p></td><td><i>display 3,4,5 characters of
string</i></td></tr>
<th>Substr</th><td><p id="substr"></p></td><td><i>display 2,3,4 characters of
string</i></td></tr>
<th>Replace</th><td><p id="replace"></p></td><td><i>replace string by hello
world</i></td></tr>
<th>Replaceall</th><td><p id="replaceall"></p></td><td><i>replace string by hello
world</i></td></tr>
<th>Uppercase</th><td><p id="upper"></p></td><td><i>convert to
uppercase</i></td></tr>
<th>Lowercase</th><td><p id="lower"></p></td><td><i>convert to
lowercase</i></td></tr>
<th>Concat</th><td><p id="concat"></p></td><td><i>concat two strings</i></td></tr>
<th>CharAt</th><td><p id="charat"></p></td><td><i>display first character of 1st
string</i></td></tr>
</table>
<br>
<br>
<table align="center">
<h2 align="center">Math Function</h2>
<tr><th>Enter a number</th><td><input type="number" name="num"  placeholder="Enter a
number"></td><td></td></tr>
<tr><th>Round</th><td><p id="round"></p></td><td><i>display  rounded
value</i></td></tr>
<tr><th>Ceil</th><td><p id="ceil"></p></td><td><i>display rounded value to nearest
integer</i></td></tr>
<th>floor</th><td><p id="floor"></p></td><td><i>display rounded down value to its
nearest integer</i></td></tr>
<th>Trunc</th><td><p id="trunc"></p></td><td><i>display integer value</i></td></tr>
<th>Sign</th><td><p id="sign"></p></td><td><i>disaplay sign of number</i></td></tr>
<th>Power</th><td><p id="power"></p></td><td><i>display power of number to
2</i></td></tr>
<th>Square Root</th><td><p id="sqrt"></p></td><td><i>display square root</i></td></tr>
<th>Absolute</th><td><p id="absolute"></p></td><td><i>display absolute (positive)
value</i></td></tr>
<th>Sine</th><td><p id="sin"></p></td><td><i>returns the sine</i></td></tr>
<th>Cos</th><td><p id="cos"></p></td><td><i>returns the cosine</i></td></tr>
<th>Random</th><td><p id="random"></p></td><td><i>generate random
value</i></td></tr>
<th>Log</th><td><p id="log"></p></td><td><i>returns log value</i></td></tr>
<tr><td align="right"><input type="button" value="Sumbit"onclick="return
validateForm()"></td><td></td><td></td></tr>
```

```
</table>
</form>
</body>
</html>
```

Output

String Function

Enter 1st string	Arun	
Enter 2nd string	Kuriakose	
Length	4	*display length of string*
Slice	n	*display 4,5,6 characters of string*
Substring	un	*display 3,4,5 characters of string*
Substr	run	*display 2,3,4 characters of string*
Replace	hello world	*replace string by hello world*
Replaceall	have a nice day	*replace string by hello world*
Uppercase	ARUN	*convert to uppercase*
Lowercase	arun	*convert to lowercase*
Concat	Arun Kuriakose	*concat two strings*
CharAt	A	*display first character of 1st string*

Math Function

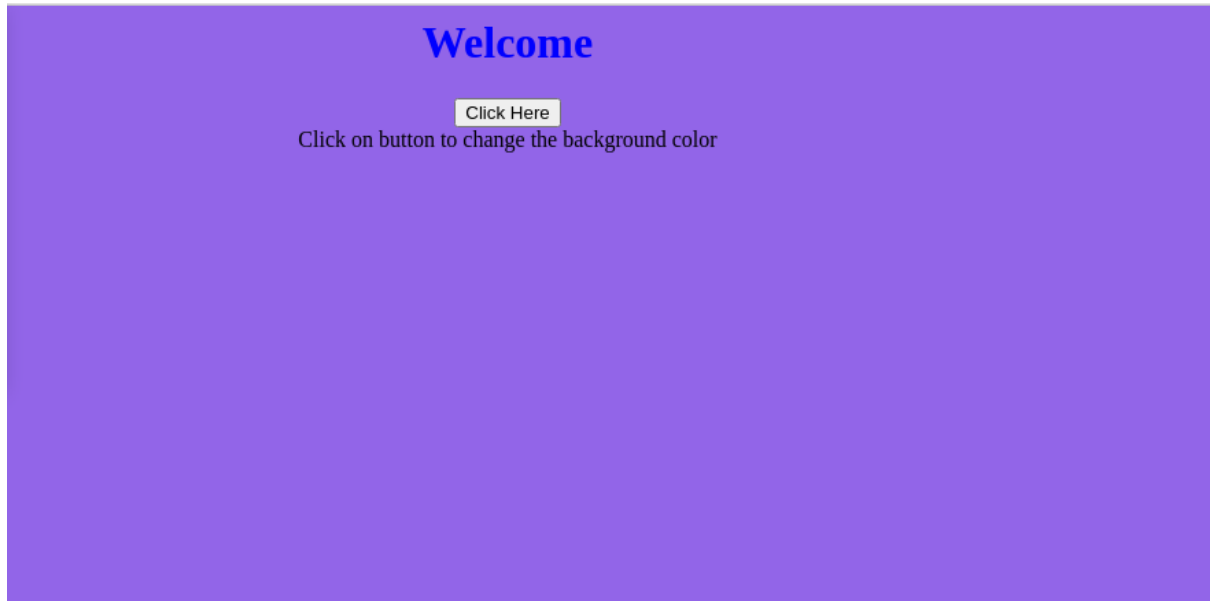|		
Enter a number	13.5	
Round	14	*display rounded value*
Ceil	14	*display rounded value to nearest integer*
floor	13	*display rounded down value to its nearest integer*
Trunc	13	*display integer value*
Sign	1	*disaplay sign of number*
Power	182.25	*display power of number to 2*
Square Root	3.6742346141747673	*display square root*
Absolute	13.5	*display absolute (positive) value*
Sine	0.803784426551621	*returns the sine*
Cos	0.594920663309892	*returns the cosine*
Random	0.6856632586123337	*generate random value*
Log	2.6026896854443837	*returns log value*

Sumbit

AIM

Create a HTML page to change the background color for every click of a button using JavaScript Event Handling.

Program Code

```
<html>
<head>
<title>
changing the background color
</title>
</head>
<body style = "text-align:center;">
<h1 style = "color:blue;" >
Welcome
</h1>
<button type="button" id="color-button" onclick="changeBg()">Click Here
</button>
<br>
<script>
document.writeln( "Click on button to change the background color");
const pageBody = document.querySelector("body");
function changeBg()
{
let color = '#'+(Math.random()*0xFFFFFF<<0).toString(16);

pageBody.style.background = color;
}
</script>
</body>
</html>
```

<u>Output</u>

AIM

Compose Electricity bill from user input based on a given tariff using PHP.

Program Code

```
<html>
<head>
<title>Electricity Bill</title>
</head>
<body>
<img src="eb.png" height="15%" width="15%" >
<h3 align="center">Electricity Bill</h3>
<table align="center">
<form method="post" action="">
<tr><td>Consumer ID</td><td> <input type="number" name="con" placeholder="consumer id" required></td></tr><br>
<tr><td>Consumer Name</td><td> <input type="text" name="name" placeholder="consumer name" required></td></tr><br>
<tr><td>Enter Units</td><td> <input type="number" name="un" placeholder="no.of units used" required></td></tr><br>
<tr><td></td><td><input type="submit" name="submit" value="submit"></tr><br>
<?php
if (isset($_POST['submit']))
{
$cid=$_POST['con'];
$cname=$_POST['name'];
?>
<tr><td><?php echo '<b>Consumer ID </b>: '.$cid; ?> </td></tr>
<tr><td><?php echo '<b>Consumer Name </b>: '.$cname; ?> </td></tr>
<tr><td>
<?php
$unit=$_POST['un'];
if ($unit>=50)
 {
 $bill=$unit*3.15;
 echo '<b>Electricity Bill</b> : '.$bill;
 }
elseif ($unit>50 && $unit<=150)
 {
 $bill=$unit*3.70;
 echo '<b>Electricity Bill</b> : ',$bill;
 }
elseif ($unit>150 && $unit<=200)
```

```
 {
 $bill=$unit*6.40;
 echo '<b>Electricity Bill</b> : ',$bill;
 }
else
 {
$bill=$unit*7.60;
echo '<b>Electricity Bill</b> : ',$bill;
 }
}
else
{
echo '<script>alert("try again")</script>';
}
?></td></tr>
</form>
</body>
</html>
```

Output

Electricity Bill

Consumer ID   [consumer id]

Consumer Name [consumer name]

Enter Units   [no.of units used]

[submit]

Electricity Bill

Consumer ID   [consumer id]

Consumer Name [consumer name]

Enter Units   [no.of units used]

[submit]

Consumer ID : 117045653351
Consumer Name : Arun Kuriakose
Electricity Bill : 211.05

AIM

Build a PHP code to store name of students in an array and display it using print_r function. Sort and Display the same using asort & arsort functions.

Program Code

studentname.php

```
<html>
<head>
<title>students name</title>
</head>
<body>
<h1 align="center">Students Name</h1><br>
<table align="center">
<form method="post" action="name.php">
<tr><td>1st Student name</td><td><input type="text" name="s1" placeholder="enter 1st student name" required></td></tr><br>
<tr><td>2nd Student name</td><td><input type="text" name="s2" placeholder="enter 2nd student name" required></td></tr><br>
<tr><td>3rd Student name</td><td><input type="text" name="s3" placeholder="enter 3rd student name" required></td></tr><br>
<tr><td>4th Student name</td><td><input type="text" name="s4" placeholder="enter 4th student name" required></td></tr><br>
<tr><td>5th Student name</td><td><input type="text" name="s5" placeholder="enter 5th student name" required></td></tr><br>
<tr><td></td><td><input type="submit" name="submit" value="submit"></td></tr><br>
</body>
</html>
```

name.php

```
<html>
<head>
<title>students name</title>
</head>
<body>

<?php if(isset($_POST['submit']))
{
$sname1=$_POST['s1'];
$sname2=$_POST['s2'];
$sname3=$_POST['s3'];
```

```
$sname4=$_POST['s4'];
$sname5=$_POST['s5'];
$Sarray=array(student1 =>$sname1,student2 =>$sname2,student3 =>$sname3,student4
=>$sname4,student5 =>$sname5);
?>
<table align="center" border="1">
<tr><td>Array is :</td><td><?php print_r ($Sarray)?></td></tr><br>
<tr><td>Sorted Array is :</td><td><?php asort($Sarray); print_r($array)  ?></td></tr><br>
<tr><td>Reverse Array is :</td><td><?php arsort($Sarray); print_r($array) ?></td></tr><br>
</table>
<?php }
else
{
echo '<script>alert("try again")</script>';
} ?>
</body>
</html>
```

Output

Students Name

1st Student name	arun
2nd Student name	eldhose
3rd Student name	alex
4th Student name	arjun
5th Student name	basil
	submit reset

Students Name

Array is :	Array ([student1] => arun [student2] => eldhose [student3] => alex [student4] => arjun [student5] => basil)
Sorted Array is :	Array ([student3] => alex [student4] => arjun [student1] => arun [student5] => basil [student2] => eldhose)
Reverse Array is :	Array ([student2] => eldhose [student5] => basil [student1] => arun [student4] => arjun [student3] => alex)

AIM

Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table.

Program Code

cricket.php

```
<html>
<head>
<title>cricket players</title>
</head>
<body>
<h1 align="center">Cricket Players</h1><br>
<table align="center">
<form method="post" action="player.php">
<tr><td>1st Player name</td><td><input type="text" name="p1" placeholder="enter 1st
student name" required></td></tr><br>
<tr><td>2nd Player  name</td><td><input type="text" name="p2" placeholder="enter 2nd
student name" required></td></tr><br>
<tr><td>3rd Player  name</td><td><input type="text" name="p3" placeholder="enter 3rd
student name" required></td></tr><br>
<tr><td>4th Player  name</td><td><input type="text" name="p4" placeholder="enter 4th
student name" required></td></tr><br>
<tr><td>5th Player  name</td><td><input type="text" name="p5" placeholder="enter 5th
student name" required></td></tr><br>
<tr><td></td><td><input type="submit" name="submit" value="submit"></td></tr><br>
</body>
</html>
```

player.php

```
<html>
<style>
table, tr,th, td {
  border:1px solid black;
}
</style>
<head>
<title>cricket players</title>
</head>
<body>
<h1 align="center">Cricket Players</h1><br>
```

```php
<table align="center" style="width:50%">
<?php if(isset($_POST['submit']))
{
$cname1=$_POST['p1'];
$cname2=$_POST['p2'];
$cname3=$_POST['p3'];
$cname4=$_POST['p4'];
$cname5=$_POST['p5'];
$array=array($cname1,$cname2,$cname3,$cname4,$cname5);
?>
</form>
<?php foreach ($array as $c)
{
?>
<tr><td>Player</td<td><?php echo $c?></td></tr><br>
<?php } ?>
</table>
<?php
}
else
{
echo '<script>alert("try again")</script>';
} ?>
</body>
</html>
```

<u>Output</u>

Cricket Players

1st Player name	Sachin Tendulkar
2nd Player name	Virat Kohli
3rd Player name	Mahendra Singh Dhoni
4th Player name	Sanju Samson
5th Player name	Eldhose Kurian
	submit

Cricket Players

Player	Sachin Tendulkar
Player	Virat Kohli
Player	Mahendra Singh Dhoni
Player	Sanju Samson
Player	Eldhose Kurian

AIM

Outline a registration form using PHP and do necessary validations.

Program Code

registration.php

```
<html>
<head>
 <style>
      .error {color: #FF0000;}
    </style>
<title>registration form</title>
</head>
<body bgcolor="#e9ecef">
<form method="post" action="validateregistration.php">
<table align="center">
<h2 align="center">Registration Form</h2>
<p style="padding-left: 20em;"><span class = "error">* required field.</span></p>
<tr><th>Name</th><td><input type="text" name="name" size ="30" placeholder="Enter
your name"></td><td><span class = "error">* <?php  ?></span></td></tr>
<tr>
<th>Address</th><td><textarea name="address" cols="31" rows="5"
placeholder="Address..........."></textarea></td><td><span class = "error">* <?php
?></span></td></tr>
<tr><th>Phone</th><td><input type="number" name="ph" size ="10" placeholder="Phone
number"></td><td><span class = "error">* <?php  ?></span></td></tr>
<tr><th>Father's Name</th><td><input type="text" name="fname" size ="30"
placeholder="Father's name"></td><td><span class = "error">* <?php  ?></span></td></tr>
<tr><th>Mother's Name</th><td><input type="text" name="mname" size ="30"
placeholder="Mother's name"></td><td><span class = "error">* <?php
;?></span></td></tr>
<tr><th>Email</th><td><input type="email" name="email" size ="30"
placeholder="Email"></td><td><span class = "error">* <?php ;?></span></td></tr>
<tr><th>Date of Birth</th><td><input type="date" name="dob" size ="8"></td><td><span
class = "error">* <?php ;?></span></td></tr>
<tr><th>Gender</th><td><input type="radio" name="gender" value="Male">Male
<input type="radio" name="gender" value="Female">Female
<input type="radio" name="gender" value="Other">Other</td><td><span class = "error">*
<?php ;?></span></td></tr>
<tr><th>10<sup>th </sup>Percentage</th><td><input type="number" name="sslc" size="5"
placeholder="10th percentage"></td><td><span class = "error">* <?php
;?></span></td></tr>
```

```html
<tr><th>Plus Two</th><td><input type="number" name="plustwo"
size="5"placeholder="Plustwo percentage"></td><td><span class = "error">* <?php
;?></span></td></tr>
<tr><th>Degree</th><td><select
name="degree"><<option>BCA<option>Bsc</option><option>BCom<option>Others</sele
ct></td><td><span class = "error">* <?php ;?></span></td></tr>
<tr><th>Degree Percentage</th><td><input type="text" name="degreeper" size="30"
placeholder="Degree percentage"></td><td><span class = "error">* <?php
;?></span></td></tr>
<tr><td align="right"><input type="submit" name="submit" value="submit"><input
type="button" name="clear" value="Reset"></td></tr>
</table>
</form>
</body>
</html>
```

validateregistration.php

```php
<html>
<head>
<title>registration form</title>
<body bgcolor="#e9ecef">
<?php if(isset($_POST['submit']))
{
$na=$_POST['name'];
$ad=$_POST['address'];
$no=$_POST['ph'];
$fna=$_POST['fname'];
$mna=$_POST['mname'];
$mail=$_POST['email'];
$dob=$_POST['dob'];
$gender=$_POST["gender"];
$sslc=$_POST['sslc'];
$plustwo=$_POST['plustwo'];
$deg=$_POST['degree'];
$degper=$_POST['degreeper'];
if($na==NULL)
        {
                echo '<script>alert("Enter Your Name");window.history.back();</script>';
                return false;
        }
    if($ad==NULL)
    {
        echo '<script>alert("Enter Your Address");window.history.back();</script>';
        return false;
```

```php
        }
    if($no==NULL)
        {
                    echo '<script>alert("Enter Your Phone
number");window.history.back();</script>';
                    return false;
        }
    if($fna==NULL)
    {
      echo '<script>alert("Enter your Father name");window.history.back();</script>';
      return false;
     }
     if($mna==NULL)
        {
                    echo '<script>alert("Enter Your Mother name
");window.history.back();</script>';
                    return false;
        }
    if($mail==NULL)
    {
      echo '<script>alert("Enter Your Email ID ");window.history.back();</script>';
      return false;
     }
     if($dob==NULL)
        {
                    echo '<script>alert("Enter Your Date of Birth
");window.history.back();</script>';
                    return false;
        }
    if($gender==NULL)
    {
      echo '<script>alert("Enter Your Gender ");window.history.back();</script>';
      return false;
     }
     if($sslc==NULL)
    {
      echo '<script>alert("Enter Your SSLC Percentage ");window.history.back();</script>';
      return false;
     }
     if($plustwo==NULL)
    {
      echo '<script>alert("Enter Your PlusTwo Percentage
");window.history.back();</script>';
      return false;
```

```php
      }
     if($degper==NULL)
    {
      echo '<script>alert("Enter Your Degree Percentage
");window.history.back();</script>';
      return false;
     }
     echo '<script>alert("Registered Successfully")</script>';
?>
<table align="center">
<h2 align="center">Your Details</h2>
<tr><th>Name</th><td><?php echo $na ?></td></tr>
<tr><th>Address</th><td><?php echo $ad ?> </td></tr>
<tr><th>Phone</th><td><?php echo $no ?> </td></tr>
<tr><th>Father's Name</th><td><?php echo $fna ?> </td></tr>
<tr><th>Mother's Name</th><td><?php echo $mna ?> </td></tr>
<tr><th>Email</th><td><?php echo $mail ?> </td></tr>
<tr><th>Date of Birth</th><td><?php echo $dob ?> </td></tr>
<tr><th>Gender</th><td><?php echo $gender ?> </td></tr>
<tr><th>10<sup>th </sup>Percentage</th><td><?php echo $sslc ?> </td></tr>
<tr><th>Plus Two</th><td><?php echo $plustwo ?> </td></tr>
<tr><th>Degree</th><td><?php echo $deg ?> </td></tr>
<tr><th>Degree Percentage</th><td><?php echo $degper ?> </td></tr>
<tr><td><a href="registration.php">Go Back</a></td></tr>
</table>
<?php
}
else
{
echo '<script>alert("try again")</script>';
}
?>
</body>
</html>
```

Output

Registration Form

* required field.

Name	Enter your name	*
Address	Address............	*
Phone	Phone number	*
Father's Name	Father's name	*
Mother's Name	Mother's name	*
Email	Email	*
Date of Birth	dd - mm - yyyy	*
Gender	○ Male ○ Female ○ Other	*
10th Percentage	10th percentage	*
Plus Two	Plustwo percentage	*
Degree	BCA ∨	*
Degree Percentage	Degree percentage	*

submit   Reset

localhost says

Enter Your Name

OK

Your Details

Name	Arun Kuriakose
Address	Palal House
Phone	2154786532
Father's Name	Kuriakose P V
Mother's Name	Jincy Kuriakose
Email	arun@gmail.com
Date of Birth	2001-07-15
Gender	Male
10th Percentage	87
Plus Two	85
Degree	BCA
Degree Percentage	82

Go Back

AIM

Develop a PHP program to connect to a database and add data to the employee table and retrieve data from the table and show the retrieved details in a neat format.

Program Code

employee.php

```
<html>
<head>
<title>employee</title>
</head>
<body>
<h1 align="center">EMPLOYEE</h1>
<div align="center">
<a  href="employeeadd.php">Add Employee</a><br>
<a href="empdetails.php">Employee Details</a>
</div>
</body>
</html>
```

employeeadd.php

```
<html>
<head>
<title>employee add</title>
</head>
<body>
<h1 align="center">Add Employee</h1><br>
<table align="center">
<form method="post" action="empadd.php">
<tr><th>Employee ID</th><td><input type="number" size="5" name="id"
placeholder="enter employee id" required></td></tr><br>
<tr><th>Employee Name</th><td><input type="text" size="20" name="name"
placeholder="enter employee name" required></td></tr><br>
<tr><th>Age</th><td><input type="number" size="3" name="age" placeholder="enter
employee age" required></td></tr><br>
<tr><th>Department</th><td><input type="text" size="20" name="dept" placeholder="enter
department" required></td></tr><br>
<tr><td></td><td><input type="submit" name="submit" value="submit"><input
type="reset" name="reset" value="reset"></td></tr><br>
</form>
</table>
</body>
```

```
</html>
```

empadd.php
```php
<?php
$con= new mysqli("localhost","fisat","fisat","fisatdb");
if($con===false)
{
echo "failed to connect";
}
else
{
echo "connected";
}
if(isset($_POST['submit']))
{
$id=$_POST['id'];
$name=$_POST['name'];
$age=$_POST['age'];
$dept=$_POST['dept'];
$sql = "INSERT INTO employee (empid,empname,age,department)
VALUES($id,'$name',$age,'$dept')";
if ($con->query($sql) === true) {
echo 'New row added.';
}
else
{
echo "ERROR: Could not execute query: $sql. " . $con->error;
}
}
$con->close();
?>
```

empdetails.php
```php
<?php
$con = new mysqli("localhost", "fisat", "fisat", "fisatdb");
if ($con=== false) {
die("ERROR: Could not connect. " . mysqli_connect_error());
}
else
{
echo "connected";
}
$sql = "SELECT * FROM employee";
```

```php
if ($result = $con->query($sql))
{
if ($result->num_rows > 0)
{
?>
<table align="center" border="1">
<tr><th>Employee ID</th><th>Employe
Name</th><th>Age</th><th>Department</th></tr>
<?php
while($row = $result->fetch_array()) {
?>
<tr><td><?php echo $row['empid']?></td>
<td><?php echo $row['empname'] ?></td>
<td><?php echo $row['age'] ?></td>
<td><?php echo $row['department'] ?></td></tr>
<?php
}
?>
</table>
<?php
$result->close();
}
else
{
echo "No records matching your query were found.";
}
}
else
{
echo "ERROR: Could not execute $sql. " . $con->error;
}
$con->close();
?>
```

Output

EMPLOYEE

Add Employee
Employee Details

Add Employee

Employee ID	56
Employee Name	george
Age	37
Department	sales
	submit reset

connectedNew row added.

connected

Employee ID	Employe Name	Age	Department
2	arun	23	sales
23	jith	30	manager
55	eldhose	23	sales
56	george	37	sales
67	alex	24	sales
87	aswin	35	marketing
98	sreejith	30	marketing

```
MariaDB [fisatdb]> select * from employee;
+-------+----------+------+------------+
| empid | empname  | age  | department |
+-------+----------+------+------------+
|     2 | arun     |   23 | sales      |
|    23 | jith     |   30 | manager    |
|    55 | eldhose  |   23 | sales      |
|    56 | george   |   37 | sales      |
|    67 | alex     |   24 | sales      |
|    87 | aswin    |   35 | marketing  |
|    98 | sreejith |   30 | marketing  |
+-------+----------+------+------------+
7 rows in set (0.000 sec)

MariaDB [fisatdb]> █
```

AIM

Using PHP and MySQL, develop a program to accept book information viz.Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.

Program Code

book.php
```
<html>
<head>
<title>Book</title>
</head>
<body bgcolor="#dfdbd8">
<h1 align="center">Book</h1>
<div align="center">
<a href="bookadd.php">Add Book</a><br>
<a href="bookdetails.php">Book Details</a><br>
</div>
</body>
</html>
```

bookadd.php
```
<html>
<head>
<title>Book add</title>
<style>table, th, td {
  border: 5px solid white;
  border-collapse: collapse;
} table {
  width: 50%;
  height:50%;
}
th, td {
  background-color: #dedcde ;
}
}</style>
</head>
<body bgcolor="#dfdbd8">
<h1 align="center">Book</h1>
<table align="center">
<form method="post" action="">
```

```
<tr><th>Accession Number</th><td><input type="text" size="30" name="an"
placeholder="Enter accession number" required></td></tr><br>
<tr><th>Title</th><td><input type="text" size="30" name="title" placeholder="Enter book
title" required></td></tr><br>
<tr><th>Author</th><td><input type="text" size="30" name="au" placeholder="Enter
author name" required></td></tr><br>
<tr><th>Edition</th><td><input type="text" size="30" name="ed" placeholder="Enter book
edition" required></td></tr><br>
<tr><th>Publisher</th><td><input type="text" size="30" name="pub" placeholder="Enter
publisher" required></td></tr><br>
<tr><td></td><td><input type="submit" name="submit" value="submit"><input
type="reset" name="reset" value="reset"></td></tr><br>
</form>
</table>
</body>
</html>
<?php
$con= new mysqli("localhost","fisat","fisat","fisatdb");
if($con===false)
{
echo '<script>alert("failed to connect try again")</script>';
}
else
{

if(isset($_POST['submit']))
 {
$acc_no=$_POST['an'];
$title=$_POST['title'];
$author=$_POST['au'];
$edition=$_POST['ed'];
$publisher=$_POST['pub'];
$sql = "INSERT INTO book (accession_number,title,author,edition,publisher)
VALUES($acc_no,'$title','$author','$edition','$publisher')";
if ($con->query($sql) === true)
  {
echo '<script>alert("New row added")</script>';
  }
else
  {
echo '<script>alert("ERROR: Could not execute query:  '.$sql.'")</script>'. $con->error;
  }
 }
$con->close();
```
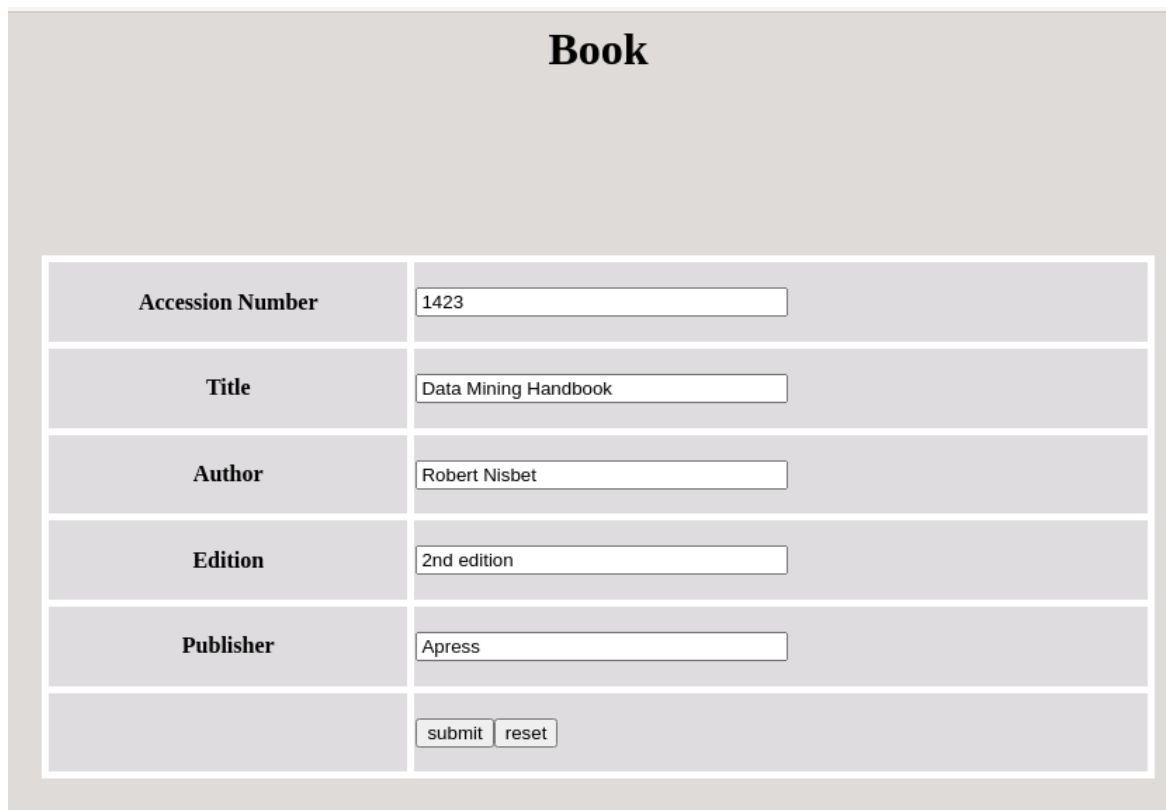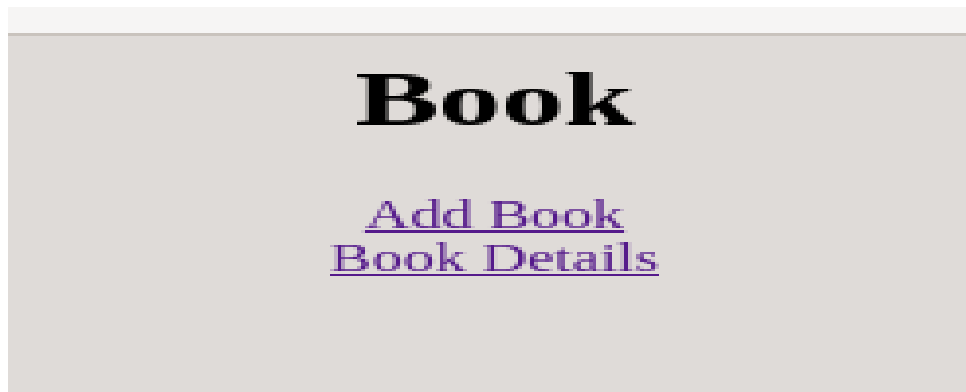
```
}
?>
```

bookdetails.php

```
<html>
<head>
<title>Book add</title>
<style>table, th, td {
  border: 5px solid white;
  border-collapse: collapse;
} table {
  width: 40%;
  height:20%;
}
th, td {
  background-color: #dedcde ;
}
}</style>
</head>
<body bgcolor="#dfdbd8">
<h1 align="center">Book Details</h1>
<table align="center">
<form method="post" action="">
<tr><th>Title</th><td><input type="text" size="30" name="title" placeholder="Enter book
title" required></td></tr><br>
<tr><td></td><td><input type="submit" name="submit" value="Serach"><input
type="reset" name="reset" value="reset"></td></tr><br>
</form>
</table>
</body>
</html>
<?php
$con = new mysqli("localhost", "fisat", "fisat", "fisatdb");
if ($con=== false) {
die("ERROR: Could not connect. " . mysqli_connect_error());
}
else
{
echo "Connected";
if(isset($_POST['submit']))
 {
 $title=$_POST['title'];
$sql = "SELECT * FROM book where title='$title'";
if ($result = $con->query($sql))
```

```php
 {
if ($result->num_rows > 0)
  {
?>
<table align="center" border="1">
<tr><th>Accesion
Number</th><th>Title</th><th>Author</th><th>Edition</th><th>Publisher</th></tr>
<?php
while($row = $result->fetch_array()) {
?>
<tr><td><?php echo $row['accession_number']?></td>
<td><?php echo $row['title'] ?></td>
<td><?php echo $row['author'] ?></td>
<td><?php echo $row['edition'] ?></td>
<td><?php echo $row['publisher'] ?></td></tr>
<?php
}
?>
</table>
<?php
$result->close();
  }
else
 {
echo "<br> No records matching your query were found.";
 }
  }
else
 {
echo "<br>ERROR: Could not execute $sql. " . $con->error;
 }
 }
}
$con->close();
?>
```

Output

Book

Add Book
Book Details

Book

Accession Number	1423
Title	Data Mining Handbook
Author	Robert Nisbet
Edition	2nd edition
Publisher	Apress
	submit reset

```
MariaDB [fisatdb]> select * from book;
+------------------+------------------------+-------------------+-------------+---------------+
| accession_number | title                  | author            | edition     | publisher     |
+------------------+------------------------+-------------------+-------------+---------------+
|             1234 | Programming in C        | Balaguruswamy     | 8th Edition | McGraw-Hill   |
|             1423 | Data Mining Handbook    | Robert Nisbet     | 2nd edition | Apress        |
|             1576 | Python for Data Analysis| Wes McKinney      | 4th edition | Penguin       |
|             1675 | Physics & Philosophy    | Werner Heisenberg | 1st edition | Random House  |
|             1879 | Learning OpenCV         | Gary Bradsky      | 7th edition | Pearson       |
+------------------+------------------------+-------------------+-------------+---------------+
5 rows in set (0.000 sec)

MariaDB [fisatdb]>
```

AIM

Using PHP and MySQL, develop a program to collect airline details and display all the airlines between a particular source and destination.

Program Code

airline.php

```
<html>
<head>
<title>Airline</title>
<style>
body {
  background-image: url('airline.jpg');
    background-repeat: no-repeat;
    background-size: 100% 100%;
}
</style>
</head>
<body>
<h1 align="center">AIRLINE</h1>
<div align="center">
<a href="airlineadd.php" align="center">Add Airline Details</a><br>
<a href="airlinedetails.php">Search Airline Details</a>
</div>
</body>
</html>
```

airlineadd.php

```
<html>
<head>
<title>Book add</title>
<style>table, th, td {
  border: 5px solid white;
  border-collapse: collapse;
} table {
  width: 50%;
  height:50%;
}
th, td {
  background-color: #dedcde ;
}
body {
  background-image: url('airline.jpg');
```

```
    background-repeat: no-repeat;
    background-size: 100% 100%;
}
}</style>
</head>
<body bgcolor="#dfdbd8" background="airline.jpg" >
<h1 align="center">Airline</h1>
<table align="center">
<form method="post" action="">
<tr><th>Airline ID</th><td><input type="text" size="30" name="ai" placeholder="Enter
airline id" required></td></tr><br>
<tr><th>Airline Name</th><td><input type="text" size="30" name="an"
placeholder="Enter airline name" required></td></tr><br>
<tr><th>Departure From</th><td><input type="text" size="30" name="df"
placeholder="Enter departure from" required></td></tr><br>
<tr><th>Departure Time</th><td><input type="time" size="30" name="dt"
required></td></tr><br>
<tr><th>Arrival Time</th><td><input type="time" size="30" name="at"
required></td></tr><br>
<tr><th>Arrival Place</th><td><input type="text" size="30" name="ap" placeholder="Enter
arrival place" required></td></tr><br>
<tr><td></td><td><input type="submit" name="submit" value="submit"><input
type="reset" name="reset" value="reset"></td></tr><br>
</form>
</table>
</body>
</html>
<?php
$con= new mysqli("localhost","fisat","fisat","fisatdb");
if($con===false)
{
echo '<script>alert("failed to connect try again")</script>';
}
else
{

if(isset($_POST['submit']))
 {
$aid=$_POST['ai'];
$aname=$_POST['an'];
$depfrom=$_POST['df'];
$deptime=$_POST['dt'];
$arrtime=$_POST['at'];
$arrplace=$_POST['ap'];
```

```php
$sql = "INSERT INTO airline
(id,name,departure_from,departure_time,arrival_time,arrival_place)
VALUES($aid,'$aname','$depfrom','$deptime','$arrtime','$arrplace')";
if ($con->query($sql) === true)
  {
echo '<script>alert("New row added")</script>';
  }
else
  {
echo '<script>alert("ERROR: Could not execute query:  '.$sql.'")</script>'. $con->error;
  }
 }
$con->close();
}
?>
```

airlinedetails.php

```html
<html>
<head>
<title>Book add</title>
<style>table, th, td {
  border: 5px solid white;
  border-collapse: collapse;
} table {
  width: 40%;
  height:20%;
}
th, td {
  background-color: #dedcde ;
}
body {
  background-image: url('airline.jpg');
    background-repeat: no-repeat;
    background-size: 100% 100%;
}
}</style>
</head>
<body bgcolor="#dfdbd8">
<h1 align="center">Search Airline Details</h1>
<table align="center">
<form method="post" action="">
<tr><th>Departure From</th><td><input type="text" size="30" name="df"
placeholder="Enter departure from" required></td></tr><br>
```

```
<tr><th>Arrival Place</th><td><input type="text" size="30" name="ap" placeholder="Enter arrival place" required></td></tr><br>
<tr><td></td><td><input type="submit" name="submit" value="Serach"><input type="reset" name="reset" value="reset"></td></tr><br>
</form>
</table>
</body>
</html>
<?php
$con = new mysqli("localhost", "fisat", "fisat", "fisatdb");
if ($con=== false) {
die("ERROR: Could not connect. " . mysqli_connect_error());
}
else
{
echo "Connected";
if(isset($_POST['submit']))
 {
 $depfrom=$_POST['df'];
 $arrplace=$_POST['ap'];
$sql = "SELECT * FROM airline where departure_from='$depfrom' &&
arrival_place='$arrplace'";
if ($result = $con->query($sql))
  {
if ($result->num_rows > 0)
   {
?>
<table align="center" border="1">
<tr><th>Airline ID</th><th>Airline Name</th><th>Departure From</th><th>Departure
Time</th><th>Arrival Time</th><th>Arrival Place</th></tr>
<?php
while($row = $result->fetch_array()) {
?>
<tr><td><?php echo $row['id']?></td>
<td><?php echo $row['name'] ?></td>
<td><?php echo $row['departure_from'] ?></td>
<td><?php echo $row['departure_time'] ?></td>
<td><?php echo $row['arrival_time'] ?></td>
<td><?php echo $row['arrival_place'] ?></td></tr>
<?php
}
?>
</table>
<?php
```

```php
$result->close();
  }
else
 {
echo "<br> No records matching your query were found.";
 }
  }
else
 {
echo "<br>ERROR: Could not execute $sql. " . $con->error;
 }
 }
}
$con->close();
?>
```

Search Airline Details

Departure From	Enter departure from
Arrival Place	Enter arrival place
	Serach reset

Connected

Airline ID	Airline Name	Departure From	Departure Time	Arrival Time	Arrival Place
101	Air India Airbus A319	Kochi	10:00:00	12:30:00	Banglore

```
MariaDB [fisatdb]> select * from airline;
+-----+----------------------+----------------+----------------+--------------+---------------+
| id  | name                 | departure_from | departure_time | arrival_time | arrival_place |
+-----+----------------------+----------------+----------------+--------------+---------------+
| 101 | Air India Airbus A319 | Kochi         | 10:00:00       | 12:30:00     | Banglore      |
| 110 | Air India Airbus A354 | Kochi         | 10:50:00       | 09:30:00     | Dubai         |
+-----+----------------------+----------------+----------------+--------------+---------------+
2 rows in set (0.000 sec)

MariaDB [fisatdb]>
```