Slip 1

Create an HTML form that contain the Student Registration details and write a JavaScript to validate Student first and last name as it should not contain other than alphabets and age should be between 18 to 50.

<html>

<head>

<title>Student Information Form</title>

<script type="text/javascript">

function valid()

{

var na = document.getElementById("fn").value;

var na = document.getElementById("ln").value;

var ag = document.getElementById("age").value;

if(na==""||na==null)

{

alert("Enter The First Name");

return false;

alert("Enter The Last Name");

return false;

}

else if(isNaN(ag)||ag<18||ag>50)

{

alert("The age must be a number between 18 and 50");

return false;

}

else

alert("The Student Information Submitted Successfully");

}

</script>

</head>

<body>

<center><b>

<h3>Student Information Form</h3>

<form action="" onsubmit="return valid()" method="post">

First Name: <input type="text" id="fn"><br><br>

Last Name: <input type="text" id="ln"><br><br>

Age: <input type="text" id="age"><br><br>

<input type="submit" value="Submit">

</form>

</b></center>

</body>

</html>

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Slip 2

Create an HTML form that contain the Employee Registration details and write a JavaScript to validate DOB, Joining Date, and Salary.

<html>

<head>

<title>Employee Registration Details</title>

<script type="text/javascript">

function valid() {

var date = document.getElementById("myDate").value;

var nm = document.getElementById("name").value;

var sl = document.getElementById("salary").value;

var join\_date = document.getElementById("jd").value;

if (nm == "" || nm == null) {

alert("Enter the name")

}

if (sl == "" || sl == null) {

alert("Enter the salary");

} else if (isNaN(sl) || sl < 5000) {

alert("Salary must a number above 5000 ");

}else if (date == "" || date == null) {

alert("Enter the Date of Birth");

}

else if (join\_date == "" || join\_date == null) {

alert("Enter the joining date")

} else

alert("The Employee Information is submitted successfully");

}

</script>

</head>

<body>

<center><b>

<h3>Employee Registration Details</h3>

<form action=""onsubmit="return valid()"method="post">

Full Name:<input type="text"id="name"><br><br>

Salary:<input type="text"id="salary"><br><br>

Birthday: <input type="date" id="myDate"><br><br>

Joining Date: <input type="date" id="jd"><br><br>

<input type="submit" value="Submit"><br><br>

</form>

</b></center>

</body>

</html>

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Slip 3

Create an HTML form for Login and write a JavaScript to validate email ID using Regular Expression.

<html>

<head>

<title>Title of the Document</title>

<script src="https://code.jquery.com/jquery-3.5.0.min.js">

</script>

</head>

<body style="background-color:#f3bcb0;">

<center>

<form>

<p><h1>Enter an email address:</h1></p>

<input id='email'>

<br><br>

<button type='submit' id='validate'>Validate button</button>

</form>

<div id='result'></div>

<script>

function validateEmail(email) {

let res = /^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/;

return res.test(email);

}

function validate() {

let result = $("#result");

let email = $("#email").val();

result.text("");

if(validateEmail(email)) {

result.text(email + " is valid");

result.css("color", "blue");

} else {

result.text(email + " is not valid");

result.css("color", "red");

}

return false;

}

$("#validate").on("click", validate);

</script>

</center>

</body>

</html>

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Slip 4

Create a Node.js file that will convert the output "Hello World!" into upper-case letters.

var http = require('http');  
var uc = require('upper-case');  
http.createServer(function (req, res) {  
  res.writeHead(200, {'Content-Type': 'text/html'});  
  res.write(**uc.upperCase("Hello World!")**);  
  res.end();  
}).listen(8080);

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Slip 6

Create a Node.js file that opens the requested file and returns the content to the client. If anything goes wrong, throw a 404 error.

var http=require('http');

var url=require('url');

var fs=require('fs');

http.createServer(function(req,res)

{

var q=url.parse(req.url,true);

var filename="input.txt"+q.pathname;

fs.readFile(filename,function(err,data)

{

if(err)

{

res.writeHead(404,{'Content-Type':'text/html'});

return res.end("404 not found");

}

res.writeHead(200,{'Content-Type':'text/html'});

res.write(data);

return res.end();

});

}).listen(8080);

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Slip 7

var http=require('http');

var formidable=require('formidable');

var fs=require('fs');

http.createServer(function(req,res)

{

if(req.url=='/fileupload')

{

var form=new formidable.IncomingForm();

form.parse(req,function(err,fields,files)

{

var oldpath=files.filetoupload.path;

var newpath='C:/Users/Pranjal/Your File '+files.filetoupload.name;

fs.rename(oldpath,newpath,function(err)

{

if(err) throw err;

res.write('File uploaded and moved!');

res.end();

});

});

}

else{

res.writeHead(200,{'Content-Type':'text/html'});

res.write('<form action="fileupload" method="post" enctype="multipart/form-data">');

res.write('<input type="file" name="filetoupload"><br>');

res.write('<input type="submit">');

res.write('</form>');

return res.end();

}

}).listen(8080);

--------------------------------------------------------------------------------------------------------------------------------------Slip 8

var MongoClient=require('mongodb').MongoClient;

var url="mongodb://localhost:27017/Komal";

MongoClient.connect(url,function(err,db)

{

if(err) throw err;

console.log("Database created!");

db.close();

});

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Slip 12

var http=require('http');

http.createServer(function(req,res)

{

res.writeHead(200, {'Content-Type':'text/plain'});

res.end("Hello World!");

}).listen(2000);

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Slip 25

var http=require('http');

http.createServer(function(req,res)

{

res.writeHead(200, {'Content-Type':'text/plain'});

res.end("Hello World!");

}).listen(2000);

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