**Form Validation using JavaScript Regular Expression.**

**SOURCE CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Form Validation</title>

</head>

<body>

<form onsubmit="return validate();">

<label for="fname">First Name</label>

<input type="text" name="fname" id="fname" onfocusout="checkNULL(this)"><br><br>

<label for="lname">Last Name</label>

<input type="text" name="lname" id="lname" onfocusout="checkNULL(this)"><br><br>

Gender<br><br>

<input type="radio" name="gender" id="male" value="male">Male<br><br>

<input type="radio" name="gender" id="female" value="female">Female<br><br>

<label for="age">Age</label>

<input type="text" name="age" id="age" onfocusout="checkNULL(this)"><br><br>

<label for="email">Email</label>

<input type="text" name="email" id="email" onfocusout="checkNULL(this)"><br><br>

<label for="contact">Contact</label>

<input type="text" name="contact" id="contact" onfocusout="checkNULL(this)"><br><br>

<label for="regno">Register Number</label>

<input type="text" name="regno" id="regno" onfocusout="checkNULL(this)"><br><br>

<select name="dept">

<option value="IT">IT</option>

<option value="CS">CS</option>

<option value="EC">EC</option>

</select><br><br>

<textarea name="description" onfocusout="checkNULL(this)"></textarea><br><br>

<label for="pwd">Password</label>

<input type="password" name="pwd" id="pwd" onfocusout="checkNULL(this)"><br><br>

<label for="cpwd">Confirm Password</label>

<input type="password" name="cpwd" id="cpwd" onfocusout="checkNULL(this)"><br><br>

<button type="submit">Submit</button>

</form> <script>

function checkNULL(elem){

if(elem.value == ""){ elem.style.borderColor = "red";

}

}

function validate(){

let fname = document.getElementById("fname"); let lname = document.getElementById("lname"); let age = document.getElementById("age"); let email = document.getElementById("email"); let contact = document.getElementById("contact"); let regno = document.getElementById("regno"); let dept = document.getElementById("dept"); let description = document.getElementById("description"); let pwd = document.getElementById("pwd"); let cpwd = document.getElementById("cpwd"); let fname\_regexp = /^[A-Za-z]+$/; let lname\_regexp = /^[A-Za-z]+$/; let age\_regexp = /^[0-9]{2,3}$/; let email\_regexp = /^[a-zA-Z0-9.\_-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/; let phone\_regexp = /^[0-9]{10}$/; let regno\_regexp = /^[0-9]{9}$/; if(!(fname.value.match(fname\_regexp))){ alert("First Name Not Valid");

}

else if(!(lname.value.match(lname\_regexp))){ alert("Last Name Not Valid");

}

else if(!(document.getElementById("male").checked || document.getElementById("female").checked)){

alert("Choose Gender");

}

else if(!age.value.match(age\_regexp)){ alert("Age Not Valid");

}

else if(!email.value.match(email\_regexp)){ alert("Email Not Valid");

}

else if(!contact.value.match(phone\_regexp)){ alert("Phone Number Not Valid");

}

else if(!regno.value.match(regno\_regexp)){ alert("Register Number Not Valid");

}

else if(document.getElementsByName("dept")[0].value == ""){

alert("Select Department");

}

else if(document.getElementsByName("description")[0].value == ""){ alert("Enter Description");

}

else if(document.getElementsByName("pwd")[0].value != document.getElementsByName("cpwd")[0].value){

alert("Passwords not matching");

}

else if(document.getElementsByName("pwd")[0].value.length < 8){

alert("Password format Not Valid");

} else{ return true;

}

return false;

}

</script>

</body>

</html>

**OUTPUT:**







