

Example: Write HTML form accepting an integer having four digits. Input should not accept characters of letters and special symbols.

```
<html>
<head>
<script type="text/javascript">
function fun()
{
pat=/^\d{4}$/;
u = document.getElementById("t1").value;

if((pat.test(u)))
{
alert("Perfect");
}
else{
    alert("Only 4 digit pin is allowed. (No letters/ no special characters)");
}
}
</script>
</head>
<body>
Pin <input type="text" id="t1"/>
<input type="submit" onclick="fun()"/>
</body>
</html>
```

Example 2: Write a JS to validate username and password.

- Password: Length must be of 8 to 12 characters.
- Username: Should not start with _, @ and any number.
- Both must not be blank

```
<html>
<head>
<script type="text/javascript">
function fun()
{
  pat=/^_|^@|^\\d/;
  uname = document.getElementById("t1").value;
  pass = document.getElementById("p1").value;
  data_display = document.getElementById("test");
  data_display.style.color = "red";
  // we can use this too (uname =="" || pass == "")
  if(uname.length==0 || pass.length==0)
  {
    data_display.innerHTML = "Not be blank"
  }

  // Should not start with _, @ and any number.
  else if(pat.test(uname))
  {
    data_display.innerHTML = "Enter valid username (Should not start with _, @ and any number)"
  }

  // Password: Length must be of 6 to 12 characters

  else if(pass.length<8 || pass.length>12)
  {
    data_display.innerHTML = "Password length must be between 8 and 12"
  }

  else{
    data_display.style.color = "green";
    data_display.innerHTML = "Welcome " + uname;
  }
}
</script>
```

```
</head>
<body>
NAME <input type="text" id="t1"/>
PASS <input type="password" id="p1"/>
<input type="submit" onclick="fun()"/>
<h1 id="test"></h1>
</body>
</html>
```

Example 3: Design a login form using JS. Following validation in password field, Minimum length of password must be of 8 letters and it must have some special characters.

```
<html>
<head>
<script type="text/javascript">
function fun()
{
pat=/\W/;
  u = document.getElementById("p1").value;
  if(u.length <= 8){
    alert("Password must be greater than 8");
  }
  else if(!pat.test(u))
  {
    alert("Password must be strong...Add atleast one sp.char");
  }
  else
  {
    alert("Password Entered: " + u);
  }
}
</script>
</head>
<body>
<input type="password" id="p1"/>
<input type="submit" onclick="fun()"/>
</body>
</html>
```