

# Errors and bad practices can see in the given code piece

- In HTML Errors and Bad practices

```
<head>
  <Title>Registration Form</Title>
  <script type="text/javascript">
    function validateEmail(frm) {
      var reg = /^[A-Za-z0-9_\-\.]+\@([A-Za-z0-9_\-\.])+\.([A-Za-z]{2,4})$/;
      var address = frm
      if (reg.test(address) == false) {
        return false;
      }
      else { return true; }
    }
  </script>
</head>
```

- 1) Bad practice, should correct `<title>Registration Form</title>`

```
  </script>
</head>
<h3 align=center> User Registration Form </h1>

<body>
  <form name="frm" onsubmit="return validateForm(this);">
    <table border="0" align=CENTER>
      <tr>
        <td>User name</td>
```

- 2) This h3 element does not belong to the head or body. This is invalid for the HTML page structure even the output shows.
- 3) Also, can see in the h3 tag that uses a align property (align = center) without using a separate style sheet. This is a bad practice even giving output in modern HTML.

```

form name="frm" onsubmit="return validateForm(this);">
  <table border="0" align=CENTER>
    <tr>
      <td>Username</td>
      <td><input type="text" name="username" /></td>
    </tr>
    <tr>

```

- 4) This is not used in modern HTML to give borders and align. Should use separate CSS file
- 5) Also, given the HTML code cannot see the **</body>** to close the body tag that opens above.

- In JavaScript Errors and Bad practices

```

<script type="text/javascript">
  functionvalidateEmail(frm) {
    varreg = /^[A-Za-z0-9_\-\.]+\@([A-Za-z0-9_\-\.])+\.([A-Za-z]{2,4})$/;
    var address = frm
    if (reg.test(address) == false) {
      return false;
    }
    else { return true; }
  }

```

- 1) There should be a space between the **function** key word and the **function name**. (correct - **function validateEmail(frm){}**)

```

}
functionconfirmPassword(p1, p2) {
  if (p1 == p2) return true;
  else return false;
}

```

- 2) There should be a space between the **function** key word and the **function name**. (correct - **function confirmPassword(p1,p2){}**)

```
functioncountryselect(country)
{
    if (country == "Default") {
        return false;
    }
    else
        return true;
}
```

- 3) There should be a space between the **function** keyword and the **function name**. (correct - **function countryselect(country){}**)

```
}
functionvalidsex(umsex)
{
    x = 0;
    if (umsex[0].checked) {
        x++;
    }
    if (umsex[1].checked) {
        x++;
    }
    if (x == 0) {
        return false;
    }
    else {
        return true;
    }
}
```

- 4) There should be a space between the **function** keyword and the **function name**. (correct - **function validsex(umsex){}**)

```
functionvalidateForm(frm) {
    var user = frm.username.value;
    varpword = frm.password.value;
    varcpword = frm.con_password.value;
    var address = frm.address.value;
    var email = frm.email.value;
    var country = frm.Country.value;
    varumsex = frm.sex;
    varufsex = frm.sex;
    varreturnvalue = false;
}
```

- 5) There should be a space between the **function** keyword and the **function name**. (correct - **function validateForm(frm){}**)

```
var user = frm.username.value;
varpword = frm.password.value;
varcpword = frm.con_password.value;
var address = frm.address.value;
var email = frm.email.value;
var country = frm.Country.value;
varumsex = frm.sex;
varufsex = frm.sex;
varreturnvalue = false;
var a = true;
var b = true;
var c = true;
var d = true;
var e = true;
```

- 6) There should be a space between the **var** keyword and the **variable name**. (correct – **var word, var cpword, var umsex, var ufsex, var returnvalue**)

```
function validateEmail(frm) {
  varreg = /^[A-Za-z0-9_\-\.]+\@([A-Za-z0-9_\-\.]+\.[A-Za-z]{2,4})$/;
  var address = frm
  if (reg.test(address) == false) {
    return false;
  }
  else { return true; }
}
```

- 7) There should be a space between the **var** keyword and the **variable name**. (correct – **var reg**)

```
function validsex(umsex)
{
  x = 0;
  if (umsex[0].checked) {
    x++;
  }
  if (umsex[1].checked) {
    x++;
  }
  if (x == 0) {
    return false;
  }
  else {
    return true;
  }
}
```

- 8) It is not a good practice to assign variables without **var**, **let**, and **const** keywords. Now x has global scope. In programming, it is a poor practice that assigns global variables.

```
if (a == true && b == true && c == true && d == true && e == true) {
  returnvalue = true;
}
```

- 9) There should be space between the **return** keyword and the **return variable**. (correct – **return value = true**)

```

        returnvalue = true;
    }
    returnreturnvalue;
}

```

- 10) There should be space between the **return** keyword and the **return variable**. (correct – **return returnvalue**)

```

functionvalidateEmail(frm) {
    varreg = /^[A-Za-z0-9_\-\.]+\@([A-Za-z0-9_\-\.]+\.[A-Za-z]{2,4})$/;
    var address = frm
    if (reg.test(address) == false) {
        return false;
    }
    else { return true; }
}

```

- 11) Most, email addresses contain 2-3 characters as a top-level domain name. (correct - {2,3})