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<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Document</title>
</head>

<body>
  *** TAKING INPUTS FROM USER ***

  <input id="text1" placeholder="Enter Anything">
  <br>
  <input type="password" id="text2"
placeholder="Password">

  <button id="btn1" onclick="valid()">Click Me </button>

  <script>

    function valid()
    {
      let
str1=document.getElementById("text1").value;
      let
str2=document.getElementById("text2").value;
      if(str1==str2)
      {
        alert("they are same");
      }
    }
  </script>
</body>
</html>
```

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        else{
            alert("they are not same");
        }
    }

</script>

*** TAKING INPUTS FROM RADIO BUTTONS ***

using same name for both tags means you can on select
only one

<input name="grp1" id="bt1" value="saketh"
type="radio" >saketh</input>
<br>
<input name="grp1" id="bt2" value="tekumal"
type="radio">tekumal</input>
<button id="btn1" onclick="f1()">Click Me</button>
<script>
    function f1() {
        // .checked will check whether the radio is
selected or not

if(document.getElementById("bt1").checked==true)
    {
        alert("Saketh is selected");
    }
    else
if(document.getElementById("bt2").checked==true)
    {
        alert("Tekumal is selected");
    }

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        else{
            alert("Nothing is selected");
        }
    }
</script>
```

*** TAKING INPUT FROM SELECTION BOX i.e dropdown box

select tag will create a dropdown option tag will give options

```
<select id="selectBox">
    <option name="grp1" id="id1"
value="saketh">Saketh</option>
    <option name="grp1" id="id2"
value="sai">Sai</option>
    <option name="grp1" id="id3"
value="tekumal">Tekumal</option>
</select>
<button id="btn1" onclick="f1()">ClickMe</button>
<script>
    function f1() {
        var select
=document.getElementById("selectBox");
        // this select refers to the select tag

alert(select.options[select.selectedIndex].value)
        // basically options method contain our options
as array but we don't know the index of our option it
changes according to user
        // so we use select.selectedIndex
```

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    }
</script>

**** FORM VALIDATIONS ****

<form id="idForm">
    <input placeholder="UserName" id="user">
    <br>
    <input type="password" placeholder="Password"
id="pass">
    <br>
    <button id="btn1" onclick="f1()"
type="submit">ClickMe</button>
    <!--Because of this form tag when we click btn
page refreshes
        type submit in btn tag helps in refreshing the
page -->
</form>
<script>
    function f1()
    {
if(document.getElementById("user").value.trim()==""||docum
ent.getElementById("pass").value.trim()=="")
    {
        alert("NO Blanks are allowed");
    }
    else{
document.getElementById("idForm").action="ref.html"

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        //this adds action attribute with value
ref.html to form tag
    }

}

</script>

*** REGULAR EXPRESSIONS ***

<!-- Regualr Expressions are used to perform powerfull
pattern matching and search and replace functions on text
-->

<!-- In this exercise we use E00 note regular
expressions are treated as objects in javascript -->
<script>
    function f1() {
        var str=document.getElementById("in1").value;
        var regx=/E00/i;//to make it case insensitive
we need to add i after /
        //regx is our regular expression there are ways
to declare it one way is that write regular expression in
between / /
        if(regx.test(str))
        {
            alert("valid username") ;
        }
        else{
            alert("invalid username");

document.getElementById("label").style.visibility="visible
";

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document.getElementById("in1").style.border="3px solid
red"

        }

    }

</script>
<form id="fm1" >
    <input id="in1" placeholder="Username">
    <label id="label" style="color: red; visibility:
hidden;">Invalid Username</label>
    <br>
    <button type="button" id="btn1"
onclick="f1()">Click Me</button>
</form>

```

*** REGULAR EXPRESSIONS CHAR SETS AND RANGES ***

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<!-- another way to create regx
regx= new RegExp("E00","i") -->
<!-- var regx=/[sdp]imple/; <!--position of our
pattern not mentioned so if it present in any place its
valids but we don't need that-->
<!-- var regx=/[a-x]imple/; range of options given for
the 1st charecter -->
<!--aimple bimple cimple are valid-->
<!-- for case insensitivity var regx=/[a-xA-X]imple/;
we can even have number pattern like /[0-5]abc/;
we can exclude certain char at position using var
regx=/[^a]bc/; -->

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</body>
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</html>
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