Good Morning :)

How to show a textfield that has only numbers > type=numbers
How to show a drop down list < select >
How to show an audio file
How to put html tag in a <p>_____</p> using JS   document.getElementbyId("ggg").innerHTML
How to get the content of input text field in JS   document.getElementbyId("ggg").value
What are defualt parameters of function in JS function f1(x=10) { …..}
What are rest parameters   function f1(a,y,…p)
What is the difference bet ==   , ===
What is the difference between string   and String in JS
What tag is used to show the table col heading --- <thead><tr><th>
How to link a label to a input field
How to link 3 radio buttons such that they have either or selection --- give same name
How to link anchor tag with iframe }}}   target   attribute in anchor tag

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Html tag ------------- <form> tag

<form> IT WILL   group together many **input tags**   so that **their** values are passed during FORM SUBMISSION !!!

Submit a Form ? All the **form-elements** (html elements grouped within form) are passed as key-value pairs to the destination service / url

-----   **submit a form** ---->>>>   FIRE   HTTPRequest
                                                       TO destination URL
                                                       + attach the client data to the HttpRequest

Key-value } Key is the **name attribute** of the form element , value is the value entered by user in that form element

For submitting the form we should have a <input **type="submit"** ….. />

On clicking submit button we see a change in the url window
file:///E:/Courses/HTML/CSS/CSS/WPT-Dec23/formex.html?message=some+message

file:///E:/Courses/HTML/CSS/CSS/WPT-Dec23/formex.html ?message=some+message

Whatever is appended to the URL   are called as QUERY PARAMETERS !!
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file:///E:/Courses/HTML/CSS/CSS/WPT-Dec23/formex.html?

message=bhag+milkha+bhag&sender=prachi

URL ? Query-parameters

queryparam1=value1&queryparam2=value2&queryparam3=value3

<u>Destination of submit is by default the same page !!!</u>

If we want to **change the destination** ----- we give attribute **action** in the form tag

file:///E:/Courses/HTML/CSS/CSS/WPT-Dec23/first.html?
message=test+it&sender=xyz

While submitting the form ---
    action = tells the destination / if no action means go to same page
    method = HTTP method for HTTP Request   , by default= GET

    STANDARD http methods defined in httprotocol
1. GET
2. POST
3. PUT
4. DELETE
5. TRACE
6. HEAD
7. ..
8. ..

    When the method is **method="GET"**
    The data is sent to the destination given in action VIA query
    parameters appended to URL

    When method="**POST**"
    The data is sent to the destination given in action VIA
    HttpRequest Body

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file:///E:/Courses/HTML/CSS/CSS/WPT-Dec23/second.html?test=on

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Validation of DATA ------- check if data is correct BEFORE submit

Client side Validation of Data -- on the browser before data is sent

Server side Validation of Data ---on the server side after data is sent

Client Side Validation of Data
1. Using HTML Validation attributes
   required
   max min
   minlength maxlength
   pattern

2. Using JS
   through coding

Regular Expression ---- this is a language used for pattern matching

Step1 -- first specify a pattern using regex symbols
Step2 -- give a string and check if the string complies/matches the pattern

+	One or more occurences of the letter
*	Zero or more occurences
{num}	Exactly num occurrence
{n1,n2}	Min n1 times and max n2 times occurrence
^	Occur in the Beginning
$	Occur in the end
abc	Exactly same string abc will be matched
[A-Za-z]	Single char bet A-Z or a-z
[0-9]	Single char bet 0-9
.	Any single char
?	0 or 1 occurence