

# Assignment No - 4.

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Title - HTML, Java script.

Objectives - 1. understand about basic.

Concepts of Javascript.

2. use Javascript for validation of data.

Problem statement -

write a program to design registration form for student by using HTML, CSS & Javascript and perform following validation:  
: all fields mandatory, phone numbers & email address validation.

Outcomes :- 1. Design static webpage HTML.

2. Apply Javascript to HTML pages for validation of data.

Software & Hardware Requirements :-

Notepad, Any browser

## Theory - Concept.

Javascript is a programming language of HTML a well web. It is preferred for creating network-centric application. It is integrated and complimentary with Java. As JavaScript is integrated with HTML it is very easy to implement. It is open as well as cross-platform.

## Advantages:

The advantages of using Javascript are

- It requires less server interaction
- Immediate feedback to the visitors.
- Increased interactivity.
- Richer interfaces.

## Validation -

- Basic validation - First of all form must form's be checked to make sure all mandatory fields are filled in.
- Data Format validation - Secondly, the data that is entered must be checked for correct format and its value.

## Technology / Tool.

- Language - This attribute specifies what Scripting languages you are using.



Typically, its value will be JavaScript.

- Type - This attribute is what is now ~~Type~~ recommended to indicate the scripting languages in use. and its value should be set to "text / Javascript".

### Design / Execution Steps -

1. write HTML code in notepad and save with .html extension.
2. write the function for validation of email id & phone no & enclosed this function in script.
3. call this function "onclick" event of submit button.
4. open HTML page in the browser.

### Test Cases.

- All fields like Full name, Class, Department, Address, Phone number & email id are mandatory fields.
- phone no. should be numbers only.

Conclusion → Hence, we applied validate the data using Javascript.