



### Assignment 3

Aim: Design online "bloodbank website" registration form & validate it using jQuery.

Problem Statement: Use jQuery to validate registration form designed for "Online Bloodbank" website.

Theory:

Q1] what is jQuery

Ans-

- i) jQuery is a lightweight "write less do more" javascript library.
- ii) The purpose of jQuery is to make it much easier to use javascript on your website.
- iii) jQuery simplifies a lot of complicated things from Javascript like Ajax calls & DOM manipulations.
- iv) The jQuery library contains the following features:
  - a) HTML / DOM manipulation
  - b) CSS manipulation
  - c) HTML event Methods
  - d) Effects and animations
  - e) Ajax
  - f) utilities

Q2]

Ans-

What are the advantages of jQuery?  
Advantages of jQuery are :-



- Promotes simplicity
- Cross Browser compatibility
- Clean and beautiful syntax
- Lightweight & lean
- Open Source library
- Animations & cool effects
- Highly extensible
- Pages load faster
- Utility features

Q 3]

Explain jQuery validation for mobile phone number & first name.

Ans.

jQuery Validation for phone Number :-

Code:      rules: {

mobile: {

①

required: true,

②

number: true,

③

minlength: 10,

④

maxlength: 10

}

}

- line 1 → mobile No. is a required field, user cannot leave it empty.
- line 2 → mobile No. should be a number, no alphabet or special characters allowed
- line 3 and 4 → mobile No. should be of exact 10 digits.





• JQuery validation for first name:-

→ Code : rules : {

name : {

①

required : true,

②

minlength : 2

}

}

→ line 1 : first name is mandatory to enter, user cannot leave it blank.

→ line 2 : Min. characters in the name is 2.

### Conclusion:

Thus, I studied the concept of JQuery along with its advantages & validated an online registration form using JQuery.