LIBRARIES & FRAMEWORKS

DEFINITION

Сборник **классов** *и/или* **функций** на языке JavaScript.

▸ Не определяет структуру приложения

▸ Не накладывает ограничений

▸ В одном проекте может быть подключено множество библиотек

POPULAR

▸ jQuery, jQuery-UI, plugins

▸ Bootstrap

▸ React, redux

▸ Moment.js

▸ Lodash, Ramda, Underscore

▸ Rx.js

▸ D3, Charts.js

IMPORTING

▸ Download as a file

   `<script defer src="jquery-3.5.1.min.js"></script>`

▸ CDN

   `<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>`

▸ NPM, Yarn, Bower

   `npm i jquery`

NPM

▸ Download and install Node

▸ Install NPM

▸ https://www.npmjs.com/

▸ https://nodejs.org/en/

NPM INIT

▸ npm init

▸ package.json

▸ dependencies

▸ npm install jquery —save / npm i jquery -S

▸ npm_modules

▸ .gitignore

DEFINITION

▸ Complete tool set

- routing

- data storage

- data binding

- file structure

- naming

- SPA

- One framework per project

- ...

MOST POPULAR

▸ React + libraries / React-native

▸ AngularJS, Angular

▸ Vue.js

▸ Svelte

JQUERY

▸ $, jQuery - main functions

▸ Elements wrapping

▸ As a function and an object

▸ Chaining

▸ Data processing utilits

▸ Plugins

EXAMPLES

‣ $("li").css("color", "green");

‣ $("p:contains('World')").css("color", "yellow");

‣ $("#cat,#dog,#rat").css("background-color","red");

‣ $("#clickMe").click(handler)

‣ $(selector).hover(inFunction, outFunction);

‣ $(".selector").animate(properties, duration, callbackFunction());

‣ $(".myclass").show().hide(800)

‣ $(".myclass").slideDown();

EXAMPLES

```
$( document ).on("click", ".myCustomBtnClassInATable", function () {
    var myTableCell = $(this).parent();
    var myTableRow = myTableCell.parent();
    var myTableBody = myTableRow.parent();
    var myTable = myTableBody.parent();

    //you can also chain these all together to get what you want in one line
    var myTableBody = $(this).parent().parent().parent();
});
```

EXAMPLES

```
$("<button/>", {
  id: "button",
  href: "https://google.com.ua",
  title: "Search engine",
  text: "Google.com",
  click: function (e) {
    e.preventDefault();
    alert("hello world!");
  },
}).appendTo("body");
```