**Webpack**

<https://www.youtube.com/watch?v=TzdEpgONurw>

<https://www.youtube.com/watch?v=MpGLUVbqoYQ>

1. npm init
2. npm install -D webpack webpack-cli
3. "scripts": {

"build": "webpack"

}

1. npm install -D html-webpack-plugin html-loader
2. create webpack.config.js ->

const HtmlWebPackPlugin = require("html-webpack-plugin");

module.exports = {

    module: {

        rules: [

            {

                test: /\.html$/,

                use: [

                    {

                        loader: "html-loader",

                        options: { minimize: true }

                    }

                ]

            }

        ]

    },

    plugins: [

        new HtmlWebPackPlugin({

            template: "./src/index.html",

            filename: "./index.html"

        })

    ]

}

1. npm install -D webpack-dev-server
2. npm install -D @babel/core babel-loader @babel/preset-env
3. add a rule to webpack.config.js -> rules

            {

                test: /\.js$/,

                exclude: /node\_modules/,

                use: {

                    loader: "babel-loader"

                }

            }

1. npm install -D file-loader
2. add a rule to webpack.config.js -> rules

            {

                test: /\.(png|svg|jpg|gif)$/,

                use: [

                    'file-loader'

                ]

            }

1. npm install -D node-sass style-loader css-loader sass-loader mini-css-extract-plugin
2. add a rule to webpack.config.js -> rules

            {

                test: /\.scss$/,

                use: [

                    "style-loader",

                    "css-loader",

                    "sass-loader"

                ]

            }

1. add a plugin to webpack.config.js

        new MiniCssExtractPlugin({

            filename: "[name].css",

            chunkFilename: "[id].css"

        })