**How Create an web pack**

**1**.Create Html and js files

**2.**Open terminal and type

**npm init -y** //To install the package.jason file

**3**.next install the webpack using the command

**npm install webpack webpack-cli --save-dev -**it generates **package-lock.json** file in the project

**4**.Go to package.json and add the build script under scripts

{

  "name": "webpack",

  "version": "1.0.0",

  "main": "index.js",

  "scripts": {

    "test": "echo \"Error: no test specified\" && exit 1",

**"build": "webpack"**

  },

  "keywords": [],

  "author": "",

  "license": "ISC",

  "description": "",

  "devDependencies": {

    "webpack": "^5.96.1",

    "webpack-cli": "^5.1.4"

  }

}

After that if we type the commend **npm run build** it automatically call webpack and bundle the JavaScript files.

**5**.Next we need to create the webpack file .this file bundles the JavaScript files when we call the webpack using **npm run build.**

**File format:**webpack.config.js

**6**.set the entry file path and output file name and path in webpack.config.js

For absolute **path** use the path module.

const path=require(**'path'**)

module.exports={

entry:"./src/index.js",

  output:{

     filename:"bundle.js",

**path:path.resolve(\_\_dirname,"./dist")**

  },

  mode:"none"

}

Path-This module used to set the absolute path

Mode-development or production but here “none”

File name- output file name

Entry- Give the file path for file which is going to bundled.

6. Run **npm run build** this will create a bundle.js file in dist folder(output path)

7.Add this script file(**bundle.js**) in html and remove that index.js file.

**Loader’s**

1.It is used to bundle the Image files