Typescript in Create-react-app:

npm i typescript @types/node @types/react @types/react-dom

-typescript definition for node , react and react-dom

Typescript in react project from stratch:

Npm init – y

Create index.html, webpack.config.js .babelrc

Html page->

! tab

Div#app-root tab

Rfc tab

*export* *default* function *App*():JSX*.*Element {

*return* (

<div>

</div>

)

}

Webpack.config,js

module*.*exports = {

target:'web',

mode:'development',

entry:'./src/index.tsx',

output:{

path:null,

filename:'bundle.js'

}

}

For importing if we don’t want to specify the extenstions then

resolve:{extentions:['.ts','.tsx','.js']}

}

For production ready code we need to do this to store it in build folder, we can either give dist as well.

Also we are adding rules

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

const *rules*=[

{

*test*:/*\.tsx*?/,

*exclude*:/*node\_modules*/,

*loader*:'babel-loader'

}

]

module*.*exports = {

target:'web',

mode:'development',

entry:'./src/index.tsx',

output:{

path:*path.resolve*(\_\_dirname,'build'),

filename:'bundle.js'

},

module:{rules},

resolve: {extensions:['.ts','.tsx','.js']},

devServer:{

contentBase:'./',

port:5000

}

}

In .babelrc

For babel to use

{

"presets": ["@babel/env","@babel/react","@babel/typescript"]

}

In package.json

"scripts": {

"start": "webpack-dev-server --open",

"build": "webpack"

},

We have to install dependencies

npm i @babel/core @babel/preset-env @babel/preset-typescript webpack webpack-cli webpack-dev-server babel-loader react react-dom @types/react @types/react-dom