

1. ReactJS-Handson

Install Node.js and npm

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\KIIT> node -v
v22.17.1
PS C:\Users\KIIT> npm -v
11.4.2
PS C:\Users\KIIT> npm install -g create-react-app
npm warn deprecated fstream-ignore@1.0.5: This package is no longer supported.
npm warn deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if you want a
good and tested way to coalesce async requests by a key value, which is much more comprehensive and powerful.
npm warn deprecated uid-number@0.0.6: This package is no longer supported.
npm warn deprecated rimraf@2.7.1: Rimraf versions prior to v4 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated fstream@1.0.12: This package is no longer supported.
npm warn deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please upgrade asap
.

added 64 packages in 10s

4 packages are looking for funding
  run 'npm fund' for details
```

Install create-react-app

```
PS C:\Users\KIIT> npx create-react-app myfirstreact
create-react-app is deprecated.

You can find a list of up-to-date React frameworks on react.dev
For more info see:https://react.dev/link/cra

This error message will only be shown once per install.

Creating a new React app in C:\Users\KIIT\myfirstreact.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1324 packages in 6m

269 packages are looking for funding
  run 'npm fund' for details

Initialized a git repository.

Installing template dependencies using npm...

added 18 packages, and changed 1 package in 11s

269 packages are looking for funding
  run 'npm fund' for details
Removing template package using npm...

removed 1 package, and audited 1342 packages in 6s
```

creating the React app and navigating into the app folder

```
added 1324 packages in 6m

269 packages are looking for funding
  run 'npm fund' for details

Initialized a git repository.

Installing template dependencies using npm...

added 18 packages, and changed 1 package in 11s

269 packages are looking for funding
  run 'npm fund' for details
Removing template package using npm...

removed 1 package, and audited 1342 packages in 6s

269 packages are looking for funding
  run 'npm fund' for details

9 vulnerabilities (3 moderate, 6 high)

To address all issues (including breaking changes), run:
  npm audit fix --force

Run 'npm audit' for details.

Created git commit.

Success! Created myfirstreact at C:\Users\KIIT\myfirstreact
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd myfirstreact
  npm start

Happy hacking!
PS C:\Users\KIIT> cd myfirstreact
PS C:\Users\KIIT\myfirstreact>
```

Code in App.js

```
JS App.js M X ★ favicon.ico
src > JS App.js > ...
1  import React from 'react';
2
3  function App() {
4    return (
5      <div>
6        <h1>Welcome to the first session of React</h1>
7      </div>
8    );
9  }
10
11  export default App;
12
```

Output



Welcome to the first session of React