

## Next.js - Environment Setup

As Next.js is a react based framework, we are using Node environment. Now make sure you have **Node.js** and **npm** installed on your system. You can use the following command to install Next.js –

```
npm install next react react-dom
```

You can observe the following output once Next.js is successfully installed –

```
+ react@16.13.1
+ react-dom@16.13.1
+ next@9.4.4
added 831 packages from 323 contributors and audited 834 packages in 172.989s
```

Now, let's create a node package.json –

```
npm init
```

Select default values while creating a package.json –

This utility will walk you through creating a package.json file.  
It only covers the most common items, and tries to guess sensible defaults.

See `npm help json` for definitive documentation on these fields  
and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and  
save it as a dependency in the package.json file.

Press ^C at any time to quit.

package name: (nextjs)

version: (1.0.0)

description:

entry point: (index.js)

test command:

git repository:

keywords:

author:

license: (ISC)

About to write to \Node\nextjs\package.json:

```
{
  "name": "nextjs",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "dependencies": {
    "next": "^9.4.4",
    "react": "^16.13.1",
    "react-dom": "^16.13.1"
  },
  "devDependencies": {},
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}
Is this OK? (yes)
```

Now update the scripts section of package.json to include Next.js commands.

```
{
  "name": "nextjs",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "dependencies": {
    "next": "^9.4.4",
    "react": "^16.13.1",
    "react-dom": "^16.13.1"
  },
  "devDependencies": {},
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "dev": "next",
    "build": "next build",
    "start": "next start"
  },
  "author": "",
  "license": "ISC"
}
```

## Create pages directory.

Create a pages folder within nextjs folder and create an index.js file with following contents.

```
function HomePage() {  
  return <div>Welcome to Next.js!</div>  
}  
  
export default HomePage
```

## Start Next.js Server

Run the following command to start the server –.

```
npm run dev  
> nextjs@1.0.0 dev \Node\nextjs  
> next  
  
ready - started server on http://localhost:3000  
event - compiled successfully  
event - build page: /  
wait   - compiling...  
event - compiled successfully  
event - build page: /next/dist/pages/_error  
wait   - compiling...  
event - compiled successfully
```

## Verify Output

Open localhost:3000 in a browser and you will see the following output.

