**BASICS**

* [**Create a Next.js App**](https://nextjs.org/learn/basics/create-nextjs-app)
  + [**Setup**](https://nextjs.org/learn/basics/create-nextjs-app/setup)
  + [Welcome to Next.js](https://nextjs.org/learn/basics/create-nextjs-app/welcome-to-nextjs)
  + [Editing the Page](https://nextjs.org/learn/basics/create-nextjs-app/editing-the-page)
* [Navigate Between Pages](https://nextjs.org/learn/basics/navigate-between-pages)
* [Assets, Metadata, and CSS](https://nextjs.org/learn/basics/assets-metadata-css)
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* [Dynamic Routes](https://nextjs.org/learn/basics/dynamic-routes)
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* [Deploying Your Next.js App](https://nextjs.org/learn/basics/deploying-nextjs-app)

## Create a Next.js App

[1](https://nextjs.org/learn/basics/create-nextjs-app)

[**2**](https://nextjs.org/learn/basics/create-nextjs-app/setup)

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[4](https://nextjs.org/learn/basics/create-nextjs-app/editing-the-page)

## Setup

First, let’s make sure that your development environment is ready.

* If you don’t have **Node.js** installed, [install it from here](https://nodejs.org/en/" \t "_blank). You’ll need Node.js version **10.13** or later.
* You’ll be using your own text editor and terminal app for this tutorial.

If you are on Windows, we recommend [downloading Git for Windows](https://gitforwindows.org/" \t "_blank) and use Git Bash that comes with it, which supports the UNIX-specific commands in this tutorial. [Windows Subsystem for Linux (WSL)](https://docs.microsoft.com/en-us/windows/wsl/install-win10) is another option.

### Create a Next.js app

To create a Next.js app, open your terminal, cd into the directory you’d like to create the app in, and run the following command:

npx create-next-app nextjs-blog --use-npm --example "https://github.com/vercel/next-learn/tree/master/basics/learn-starter"

Under the hood, this uses the tool called [create-next-app](https://nextjs.org/docs/api-reference/create-next-app" \t "_blank), which bootstraps a Next.js app for you. It uses [this template](https://github.com/vercel/next-learn/tree/master/basics/learn-starter" \t "_blank) through the --example flag.

If it doesn’t work, please take a look at [this page](https://github.com/vercel/next-learn/blob/master/basics/errors/install.md" \t "_blank).

### Run the development server

You now have a new directory called nextjs-blog. Let’s cd into it:

cd nextjs-blog

Then, run the following command:

npm run dev

This starts your Next.js app’s "development server" (more on this later) on port **3000**.

Let’s check to see if it’s working. Open [http://localhost:3000](http://localhost:3000/) from your browser.

**Quick Review**: What text do you see on the page?

Welcome to Next.js!

Hello Next.js!

Submit

## Create a Next.js App

[1](https://nextjs.org/learn/basics/create-nextjs-app)

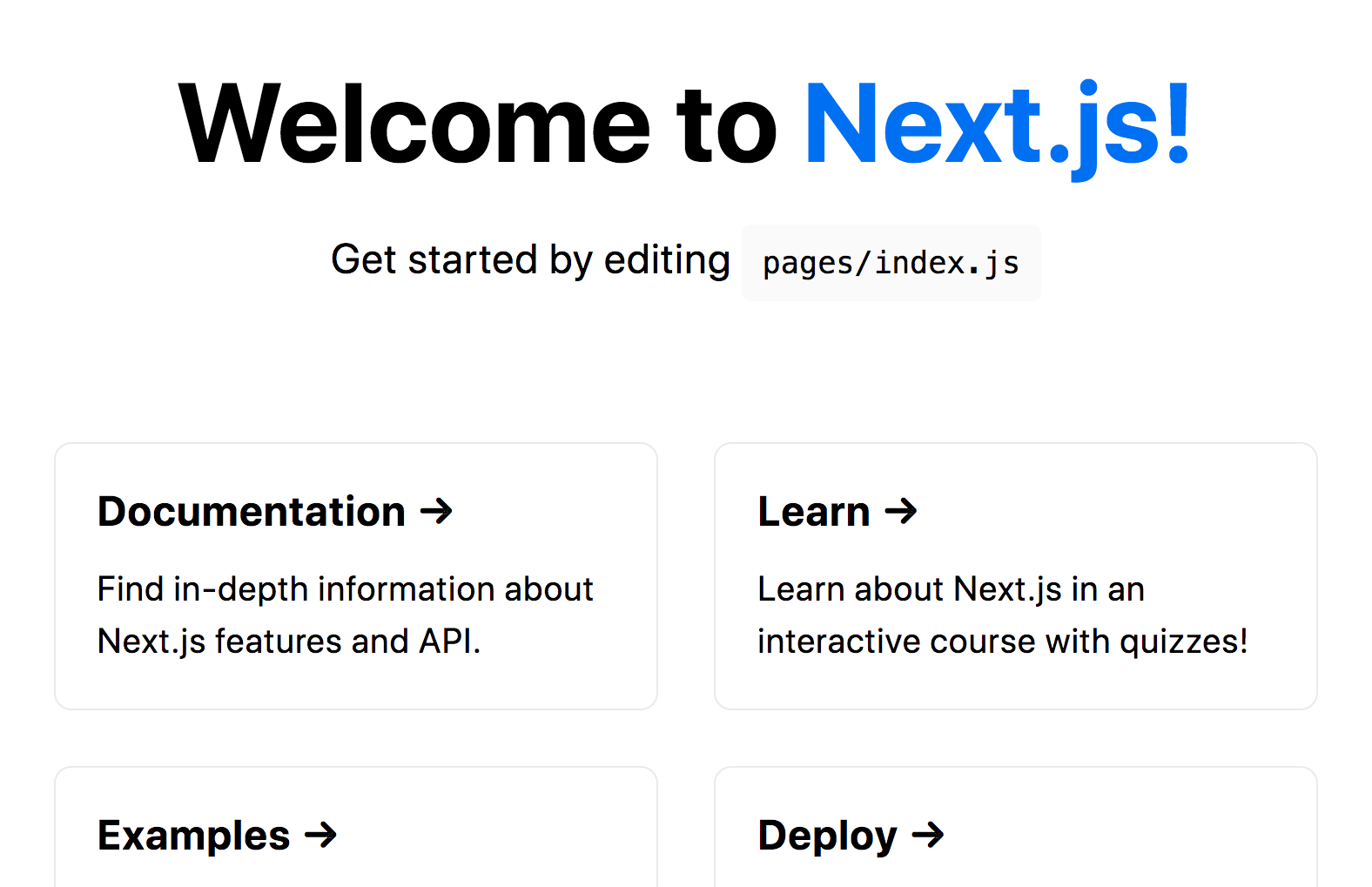
[2](https://nextjs.org/learn/basics/create-nextjs-app/setup)

[**3**](https://nextjs.org/learn/basics/create-nextjs-app/welcome-to-nextjs)

[4](https://nextjs.org/learn/basics/create-nextjs-app/editing-the-page)

## Welcome to Next.js

You should see a page like this when you access [http://localhost:3000](http://localhost:3000/). This is the starter template page which shows some helpful information about Next.js.



**Help is available:** If you get stuck, you can reach out to the community on [GitHub Discussions](https://github.com/vercel/next.js/discussions).

Let’s try to edit this page next!

## Create a Next.js App

[1](https://nextjs.org/learn/basics/create-nextjs-app)

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[3](https://nextjs.org/learn/basics/create-nextjs-app/welcome-to-nextjs)

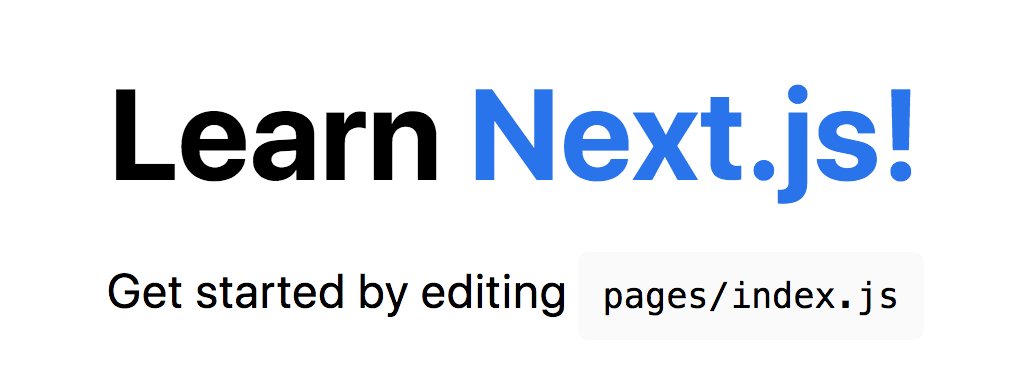
[**4**](https://nextjs.org/learn/basics/create-nextjs-app/editing-the-page)

## Editing the Page

Let’s try editing the starter page.

* Make sure the Next.js development server is still running.
* Open pages/index.js with your text editor.
* Find the text that says **“Welcome to”** under the <h1> tag and change it to **“Learn”**.
* Save the file.

As soon as you save the file, the browser automatically updates the page with the new text:



The Next.js development server has [Fast Refresh](https://nextjs.org/docs/basic-features/fast-refresh) enabled. When you make changes to files, Next.js automatically applies the changes in the browser almost instantly. No refresh needed! This will help you iterate on your app quickly.

### Next Up: Creating Pages

Great job! That’s it for the first lesson.

In the next lesson, we’ll talk about creating more pages and navigating between pages.

You should keep the development server running, but if you want to restart it, hit Ctrl + c to stop the server.

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  + [Pages in Next.js](https://nextjs.org/learn/basics/navigate-between-pages/pages-in-nextjs)
  + [Link Component](https://nextjs.org/learn/basics/navigate-between-pages/link-component)
  + [Client-Side Navigation](https://nextjs.org/learn/basics/navigate-between-pages/client-side)
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## Navigate Between Pages

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[5](https://nextjs.org/learn/basics/navigate-between-pages/client-side)

So far, the Next.js app we created only has one page. Websites and web applications generally have many different pages.

Let's explore how to add more pages to our application.

## What You’ll Learn in This Lesson

In this lesson, you will:

* Create a new page using the integrated [file system routing](https://nextjs.org/docs/routing/introduction" \t "_blank).
* Learn how to use the [Link](https://nextjs.org/docs/api-reference/next/link) component to enable client-side navigation between pages.
* Learn about built-in support for code splitting and prefetching.

If you’re looking for detailed documentation on Next.js routing, take a look at the [routing documentation](https://nextjs.org/docs/routing/introduction" \t "_blank).

[Start Now →](https://nextjs.org/learn/basics/navigate-between-pages/setup)

## Navigate Between Pages

[1](https://nextjs.org/learn/basics/navigate-between-pages)

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[5](https://nextjs.org/learn/basics/navigate-between-pages/client-side)

**If you’re continuing from the previous lesson,** you can skip this page. Click the button below to go to the next page.

[Next](https://nextjs.org/learn/basics/navigate-between-pages/pages-in-nextjs)

### Download Starter Code (Optional)

If you’re NOT continuing from the previous lesson, you can download, install, and run the starter code for this lesson below. This sets up a nextjs-blog directory such that it’s identical to the result of the previous lesson.

Again, this is NOT necessary if you’ve just finished the previous lesson.

npx create-next-app nextjs-blog --use-npm --example "https://github.com/vercel/next-learn/tree/master/basics/navigate-between-pages-starter"

Then follow the instructions from the command output (cd into the directory and start the development server).

## Navigate Between Pages

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## Pages in Next.js

In Next.js, a page is a React Component exported from a file in the [pages directory](https://nextjs.org/docs/basic-features/pages" \t "_blank).

Pages are associated with a route based on their **file name**. For example, in development:

* pages/index.js is associated with the / route.
* pages/posts/first-post.js is associated with the /posts/first-post route.

We already have the pages/index.js file, so let’s create pages/posts/first-post.js to see how it works.

### Create a New Page

Create the posts directory under pages.

Create a file called first-post.js inside the posts directory with the following content:

export default function FirstPost() {

return <h1>First Post</h1>

}

The component can have any name, but you must export it as a default export.

Now, make sure that the development server is running and visit <http://localhost:3000/posts/first-post>. You should see the page:



This is how you can create different pages in Next.js.

Simply create a JS file under the [pages directory](https://nextjs.org/docs/basic-features/pages" \t "_blank), and the path to the file becomes the URL path.

In a way, this is similar to building websites using HTML or PHP files. Instead of writing HTML you write JSX and use React Components.

Let's add a link to the newly added page so that we can navigate to it from the homepage.

**Quick Review**: If you wanted to add a new route /authors/me, what would the file name be (including the directory)?

authors/me.js

pages/authors/me.js

routes/authors/me.js

Submit