# Day 3 - API Integration and Data Migration

### **First Step: Create a Clean Project**

Set up a new Next.js project:  
  
npx create-next-app@latest my-project

cd my-project

Install the necessary dependencies:  
  
npm install @sanity/client dotenv axios

1. Set up a Sanity project:
   * Go to [sanity.io](https://www.sanity.io) and log in.
   * Create a new project, select a dataset, and configure the schema later.

### **Second Step: Define the Schema**

1. Open your project in VS Code.
2. Navigate to the schemas folder (src/schemas or wherever you configured schemas in Sanity). 3. Create a new file named product.ts:  
    Add filed according to your data.

export const productSchema = {

name: 'product',

title: 'Product',

type: 'document',

fields: [

{

name: 'productName',

title: 'Product Name',

type: 'string',

},

{

name: 'category',

title: 'Category',

type: 'string',

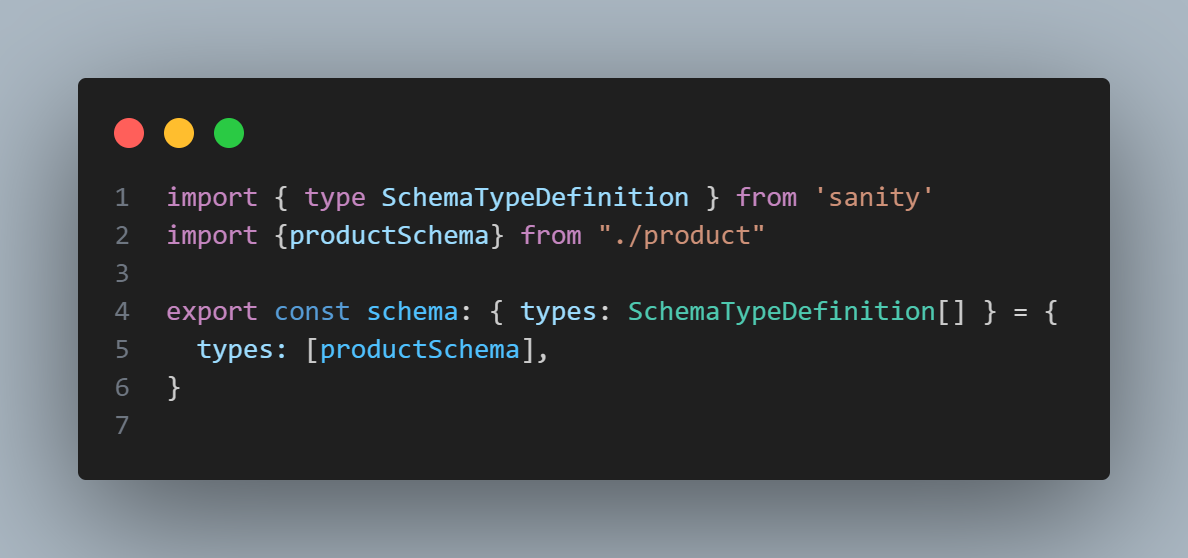
},

****

### **Third Step: Export the Schema**

1. Open the index.ts file in the schemas folder.

Export the product schema:

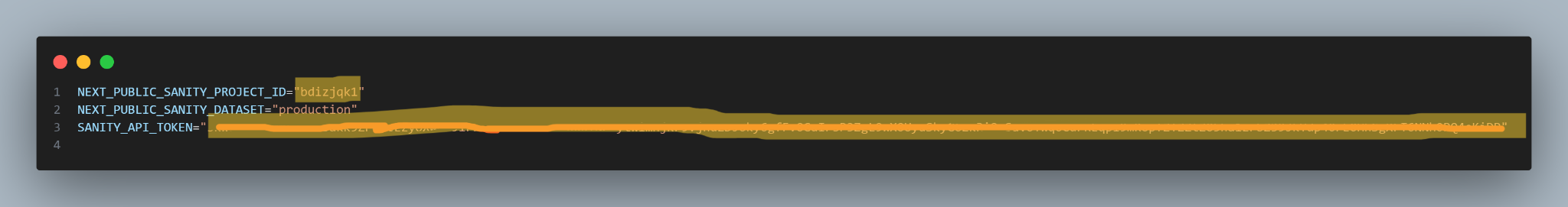


### **Fourth Step: Configure Environment Variables**

Create a .env.local file in the root of your project and add the following:  
env  
CopyEdit  
NEXT\_PUBLIC\_SANITY\_PROJECT\_ID=your\_project\_id

NEXT\_PUBLIC\_SANITY\_DATASET=your\_dataset

SANITY\_API\_TOKEN=your\_sanity\_token

1. 
2. To retrieve the required values:
   * **Project ID**: Go to your project on [Sanity.io](https://www.sanity.io), click on your project, and copy the **Project ID**.
   * **Dataset**: From the same project page, navigate to the **Datasets** section and copy the dataset name.
   * **API Token**:
     + Go to the **API** section in Sanity.
     + Click on "Add API Token."
     + Name the token and set permissions (e.g., write).
     + Copy the token and add it to your .env.local.

### **Fifth Step: Create a Data Migration Script**

Create a scripts folder in the src directory:  
src/scripts/

1. Inside the scripts folder, create a file named importSanityData.mjs.

Add the following code to the file.



1. 

### **Sixth Step: Run the Script**

Run the script to migrate data:  
node src/scripts/importSanityData.mjs

Once the migration is complete, start your development server:  
npm run dev

1. Open the Sanity Studio at http://localhost:3000/studio to verify that the products have been added.