

Abstract:

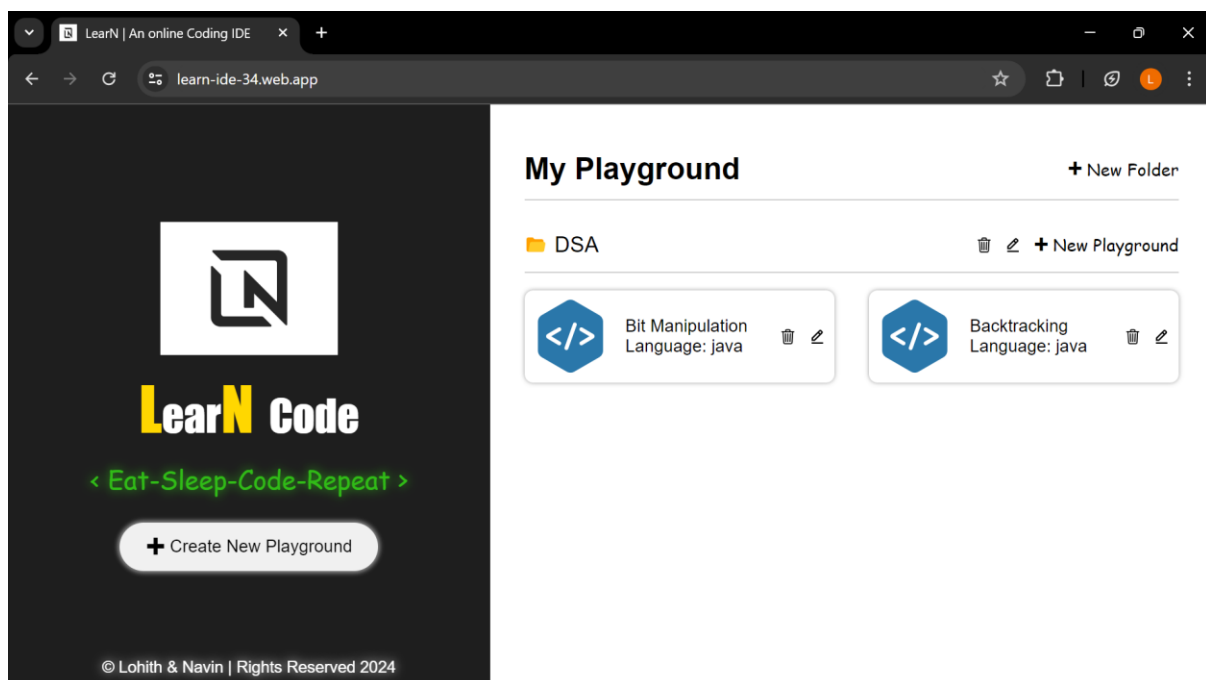
Live Link: <https://learn-ide-34.web.app/>

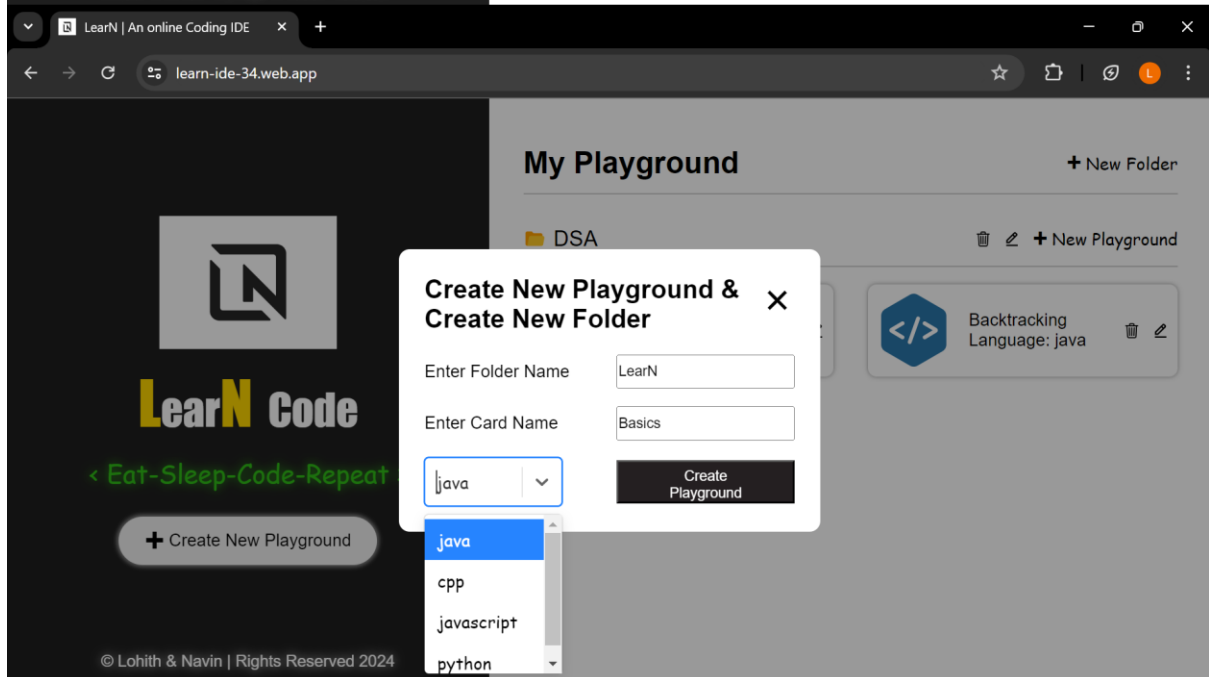
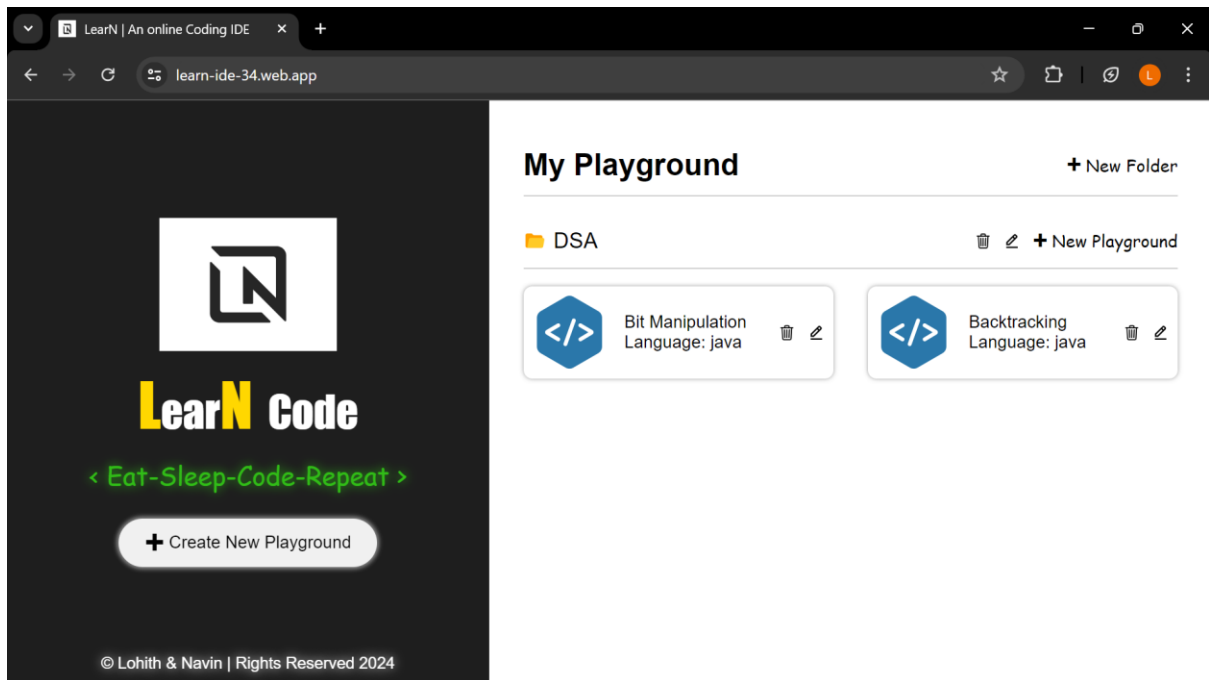
LearN Code is a robust online Integrated Development Environment (IDE) designed to support programming in Java, JavaScript, C++, and Python. This project, developed by Lohith M R and Navin Kumar P, leverages a modern tech stack to deliver a seamless coding experience. The frontend is built using React JS, providing a dynamic and responsive user interface. Styling is handled by Styled Components, allowing for modular and maintainable CSS. The core functionality of code execution and management is powered by the Judge0 CE API, facilitated through Rapid API for efficient setup and integration. Axios is employed for making streamlined API calls, ensuring smooth communication between the frontend and backend services. React Router is used to implement intuitive navigation within the application. LearN Code aims to provide a comprehensive, user-friendly platform for programmers to write, execute, and debug their code effectively.

Technologies Used:

- **React JS:** Frontend development
- **Styled Components:** Component-level styling
- **Judge0 CE API:** Code execution and submission management
- **Rapid API:** Judge0 CE API setup
- **Axios:** API call handling
- **React Router:** Application routing

OUTPUT:





LearnN | An online Coding IDE

learn-ide-34.web.app

My Playground

+ New Folder

DSA

+ New Playground

Bit Manipulation
Language: java

Backtracking
Language: java

LearN

+ New Playground

Basics
Language: java

LearnN Code

< Eat-Sleep-Code-Repeat >

+ Create New Playground

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learn-ide-34.web.app/playground/40652ed9-a864-4e6e-8f6b-3e12246e0267/5ba504ea-449d-462a-9d83-73d28b9c3f84

LearnN Code

Basics

Save code

java

githubDark

Input:

Import Input

```
1 public class Main {
2     public static void main(String[] args) {
3         System.out.println("Hello World!");
4     }
5 }
```

Output:

Export Output

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learn-ide-34.web.app/playground/40652ed9-a864-4e6e-8f6b-3e12246e0267/5ba504ea-449d-462a-9d83-73d28b9...

Basics Save code java githubDark Input: Import Input

```
1 public class Main {
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5 }
```

Output: Export Output

Full Screen Import Code Export Code Run Code

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Basics Save code java githubDark Input: Import Input

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Getting Ready...

Output: Export Output

Full Screen Import Code Export Code Run Code

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Basics

Save code

java

githubDark

Input:

Import Input

```
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3         System.out.println("Hello World!");
4     }
5 }
```

Output:

Export Output

Accepted

Hello World!

Full Screen

Import Code

Export Code

Run Code