

JEST问题

Jest - SyntaxError: Cannot use import statement outside a module

Jest doesn't support ES6 module and hence throwing this error when you directly run the test with Jest. if you want to run like that then you have to add babel.

On the other side, when you run the test with `react-scripts` it uses babel behind the scene to Transpile the code.

In newer version of jest, babel-jest is now automatically loaded by Jest and fully integrated

Hope this answer your question.

Adding babel in jest.

Installation

`babel-jest` is now automatically loaded by Jest and fully integrated. This step is only required if you are using `babel-jest` to transform TypeScript files.

```
npm install --save-dev babel-jest
```

Usage

In your `package.json` file make the following changes:

```
{
  "scripts": {
    "test": "jest"
  },
  "jest": {
    "transform": {
      "^.+\\.jsx?$": "babel-jest"
    }
  }
}
```

Create .babelrc configuration file

Create a `.babel.config.json` in your project root and enable some presets.

To start, you can use the `env` preset, which enables transforms for ES2015+

```
npm install @babel/preset-env --save-dev
```

In order to enable the preset you have to define it in your `.babel.config.json` file, like this:

```
{
  "presets": [ "@babel/preset-env" ]
}
```