

Create a React Application with an input field to enter a person's age. Add two buttons to increment or decrement the age.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: powershell + - [x] x
PS C:\Acadgild_fswd_21apr1\day27-aug18\assignment> npm install -g create-react-app
C:\Users\Pradeep K\AppData\Roaming\npm\create-react-app -> C:\Users\Pradeep K\AppData\Roaming\npm\node_modules\create-react-app\index.js
+ create-react-app@1.5.2
updated 1 package in 24.792s
PS C:\Acadgild_fswd_21apr1\day27-aug18\assignment> create-react-app assignment27.1

Creating a new React app in C:\Acadgild_fswd_21apr1\day27-aug18\assignment\assignment27.1.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts...

> uglifyjs-webpack-plugin@0.4.6 postinstall C:\Acadgild_fswd_21apr1\day27-aug18\assignment\assignment27.1\node_modules\uglifyjs-webpack-plu
gin
> node lib/post_install.js

+ react-dom@16.5.1
+ react@16.5.1
+ react-scripts@1.1.5
added 1298 packages from 729 contributors and audited 14533 packages in 306.574s
found 0 vulnerabilities

Success! Created assignment27.1 at C:\Acadgild_fswd_21apr1\day27-aug18\assignment\assignment27.1
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd assignment27.1
  npm start

Happy hacking!
```

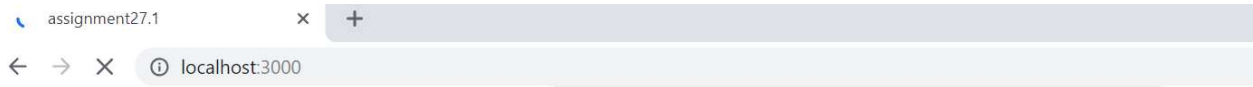
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

Compiled successfully!

You can now view `assignment27.1` in the browser.

`http://localhost:3000/`

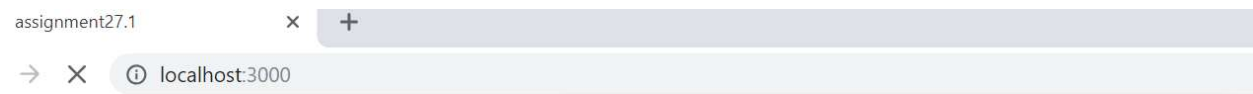
Note that the development build is not optimized.
To create a production build, use `npm run build`.



localhost:3000 says

Please enter age :

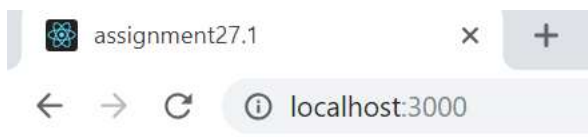
OK Cancel



localhost:3000 says

Please enter age :

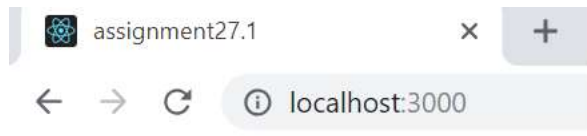
OK Cancel



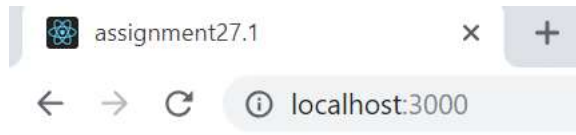
Age : 22

Increment

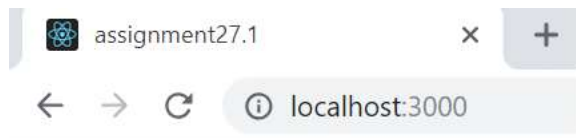
Decrement



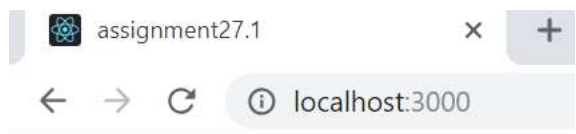
Age : 22



Age : 23



Age : 23



Age : 22



- Write a test cases in spec file to test the event invocation. Use Jest framework to test the test case.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: powershell
PS C:\Acadgild_fswd_21apr1\day27-aug18\assignment\assignment27.1> npm install --save-dev jest babel-jest babel-preset-react babel-preset-en
v enzyme enzyme-adapter-react-16 ajv react-test-renderer
npm WARN deprecated nomnom@1.6.2: Package no longer supported. Contact support@npmjs.com for more info.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: wanted {"os":"darwin","arch":"any"} (current: {"os":
"win32","arch":"x64"})

+ jest@23.6.0
+ ajv@6.5.3
+ babel-jest@23.6.0
+ babel-preset-react@6.24.1
+ enzyme-adapter-react-16@1.5.0
+ babel-preset-env@1.7.0
+ enzyme@3.6.0
+ react-test-renderer@16.5.1
added 214 packages from 126 contributors, removed 1 package, updated 44 packages, moved 8 packages and audited 34353 packages in 103.001s
found 0 vulnerabilities
```

/* .babelrc config file stored in ./src which presets to run the code through. The 'react' preset is used to tranform JSX into javascript and env is used to transform ES6 Javascript to ES5*/

```
6 .babelrc x
1 {
2   "presets": ["env", "react"]
3 }
```

```
{ package.json x
1 {
2   "name": "assignment27.1",
3   "jest": {
4     "verbose": true
5   },
6   "version": "0.1.0",
7   "private": true,
8   "dependencies": {
9     "react": "^16.5.1",
10    "react-dom": "^16.5.1",
11    "react-scripts": "1.1.5"
12  },
13  "scripts": {
14    "start": "react-scripts start",
15    "build": "react-scripts build",
16    "test:unit": "jest --watchAll",
17    "eject": "react-scripts eject"
18  },
```

```
19   "devDependencies": {
20     "ajv": "^6.5.3",
21     "babel-jest": "^23.6.0",
22     "babel-preset-env": "^1.7.0",
23     "babel-preset-react": "^6.24.1",
24     "enzyme": "^3.6.0",
25     "enzyme-adapter-react-16": "^1.5.0",
26     "jest": "^23.6.0",
27     "react-test-renderer": "^16.5.1"
28   },
```

C:\ npm

```
C:\Acadgild_fswd_21apr1\day27-aug18\assignment\assignment27.1>npm run test:unit
```

```
> assignment27.1@0.1.0 test:unit C:\Acadgild_fswd_21apr1\day27-aug18\assignment\assignment27.1
> jest --watchAll
```

C:\ npm

PASS src/App.test.js

✓ Increment (15ms)

✓ Decrement (16ms)

Test Suites: 1 passed, 1 total

Tests: 2 passed, 2 total

Snapshots: 0 total

Time: 3.614s

Ran all test suites.

Watch Usage

- > Press f to run only failed tests.
- > Press o to only run tests related to changed files.
- > Press p to filter by a filename regex pattern.
- > Press t to filter by a test name regex pattern.
- > Press q to quit watch mode.
- > Press Enter to trigger a test run.