2.10 Working with Babel

This section will guide you to:

* Create a JavaScript project in your IDE
* Write a program in JavaScript to implement Babel

This lab has three subsections, namely:

2.10.1 Writing a program in JavaScript to verify implementation of Babel

2.10.2 Executing the program and verifying implementation of Babel

2.10.3 Pushing the code to your GitHub repositories

**Step 2.10.1:** Writing a program in JavaScript to verify implementation of Babel

* Create a folder named *demo* which contains a file named *index.html* and a folder named *public*. The *public* folder contains a file named *app.js*.
* Run the following command to install Babel:

*npm install -g babel-cli@6.24.1*

You can run *babel –help* to check all the Babel options.

* Run the following command to set up your project:

*yarn init*

Leave all options as default.

* Run the following command to install Babel presets:

*yarn add babel-preset-es2015 babel-preset-env@1.5.2*

* Create a folder named *src* containing a file named *app.js*. This will contain the JSX code.

*let sum = (a, b) => {*

*console.log(a+b);*

*}*

*let multiply = (a, b) => {*

*console.log(a\*b)*

*}*

*sum(5,6);*

*multiply(10,2);*

**Step 2.10.2:** Executing the program and verifying implementation of Babel

Before you execute the program, check for syntactical corrections. If no errors are found, follow the steps mentioned below:

* Run the following command in the terminal:

*babel src/app.js --out-file=public/scripts/app.js --presets=env,es2015 –watch*

* Open a new terminal and run the following commands:

*cd src*

*node app.js*

**Output:**

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**Step 2.10.3:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add . 

Commit the changes using the following command:

git commit . -m “Changes have been committed.”

Push the files to the folder you initially created using the following command:

git push -u origin master