Step 1: Create the folder name devOps\_assignment\_3

Step 2: Create a node application using: $ node init -y

Step 3: Add express framework using: $ npm install express

Step 4: Create the file, name it as index.js

Step 5: Copy and paste the below code into index.js

const express = require('express')

const app = express ()

const SERVER\_PORT = process.env.PORT || 3000;

app.use(express.static("./views"));

// http://localhost:3000/

app.get('/C00001', function (req, res) {

res.send('<h1>Hello - C00001 - Pritesh Patel</h1> ')

})

// http://localhost:3000/hello

app.get('/hello', function (req, res) {

res.send('<h1>Hello Login</h1>')

})

app.listen(SERVER\_PORT ,() => {

console.log (`Server Running at http://localhost:$ {SERVER\_PORT}/`)

})

Step 6: create views folder and then create index.html file. Copy pastes below code in index.html file

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Dockefile example</title>

</head>

<body>

<h1>Welcome to NodeJS + Dockerfile example</h1>

<h6>Created By: C00001 - Pritesh Patel</h6>

</body>

</html>

Step 7: Create file name Dockerfile and Copy paste the below code in the Dockerfile

FROM node:10-alpine

RUN mkdir -p /home/node/app/node\_modules && chown -R node:node /home/node/app

WORKDIR /home/node/app

COPY package\*. json. /

USER node

RUN npm install

COPY --chown=node:node . .

EXPOSE 3000

CMD [ "node", "index.js”]

Step 8: Run below command on terminal after starting docker desktop on your computer

docker build -t devops\_node\_app.

docker run -d -p 4000:3000 devops\_node\_app









