**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('/c0864513', function (req, res) {**

**res.send('<h1>Hello – c0864513 – Jagdish Saini</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 paste 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>Dockerfile example</title>**

**</head>**

**<body>**

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

**<h6>Created By: c0864513 – Jagdish Saini</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 termial after starting docker desktop on your computer**

**docker build -t devops\_node\_app .**

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