Setting up a nodeJS server on GCP

1. Create a VM instance
2. Create an external IP
    - Click on the instance menu(three dots beside the name) and select “View Network Details”
    - Click “IP Addresses” From the left menu
    - Click “Reserve external static address”
        i. provide the name.
        ii. Scroll down to “attached to” and select the instance we just created.
        iii. Click “Reserve”
        iv. Copy the static ip address you created and add it to your SQL instance
            1. Go GCP Console → SQL
            2. Click “Connections” from the left menu
            3. Scroll down and add the static ip address you reserved for the VM.
    - Go back to VM Instances
3. SSH to the instance created in (1)
4. Run the following commands:
    - sudo su
    - apt-get update
    - apt-get install nodejs
    - apt-get install npm
    - mkdir myproj
    - cd myproj
    - npm init
    - npm install express --save
    - npm install -g express-generator
    - npx express --view=ejs
    - npm install
    - npm install mysql2 --save
    - npm install body-parser --save
    - npm install path --save
    - nano server.js

nano ./views/index.ejs

Link to the Index.ejs File

https://drive.google.com/file/d/1AwBiaS8KTo5hTWkl3wgujhvdUqZRmqqN/view?usp=sharing

server.js
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Part 1

```
var express = require('express');
var bodyParser = require('body-parser');
var mysql = require('mysql2');



var app = express();


app.get('/', function(req, res) {
        res.send({'message': 'Hello'});
});


app.listen(80, function () {
    console.log('Node app is running on port 80');
});
```

Part 2

Link to the server.js File

https://drive.google.com/file/d/1H-UpGVoxgjo1rxHTieBbtUwGH9R6lpL9/view?usp=sharing

Src:
https://www.tutsmake.com/node-js-express-insert-data-from-form-into-mysql-database/