

TASK-11

Step-1: Set up MySQL Using Docker

```
Microsoft Windows [Version 10.0.22621.3880]
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C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>docker run --name divyam-mysql -e MYSQL_ROOT_PASSWORD=jani -e MYSQL_DATABASE=divyamDB -p 9306:3306 -d mysql
Unable to find image 'mysql:latest' locally
latest: Pulling from library/mysql
d9a40b27c30f: Pull complete
d948328c7651: Pull complete
c1e267313ede: Pull complete
7478f013875a: Pull complete
9221a2250289: Pull complete
d1f57baa52d5: Pull complete
35c3d30e8624: Pull complete
3d4d1dd0cca6: Pull complete
08bfe3f7d1c5: Pull complete
537e7daeeea3: Pull complete
Digest: sha256:72a37ddc9f839cfd84f1f6815fb31ba26f37f4c200b90e49607797480e3be446
Status: Downloaded newer image for mysql:latest
cc8b9cb826e006884cb17ca35844af6a017e258e79007c94104e08756b5a5bfb

C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>
```

Step-2: Verify container status

```
C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
cc8b9cb826e0	mysql	"docker-entrypoint.s..."	6 minutes ago	Up 6 minutes	33060/tcp, 0.0.0.0:9306->3306/tcp	divyam-mysql

```
C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>
```

Step-3: Test database connection

```
C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>npm init -y
Wrote to C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11\package.json:

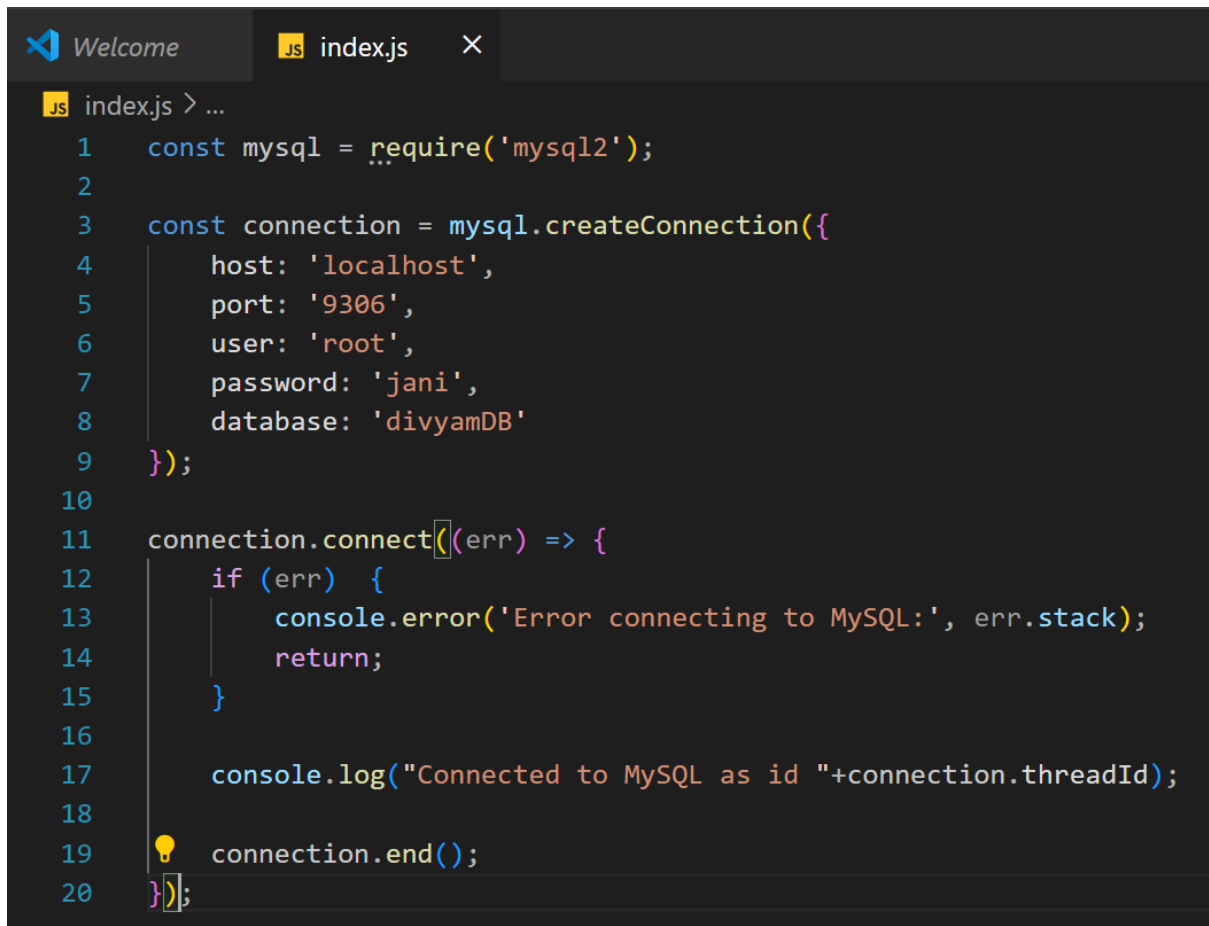
{
  "name": "task-11",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}

C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>|
```

```
C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>npm i mysql2
added 12 packages, and audited 13 packages in 11s
found 0 vulnerabilities

C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>|
```

Step-4: Create an “index.js” file and write a code in it



```
JS index.js > ...
1  const mysql = require('mysql2');
2
3  const connection = mysql.createConnection({
4    host: 'localhost',
5    port: '9306',
6    user: 'root',
7    password: 'jani',
8    database: 'divyamDB'
9  });
10
11  connection.connect((err) => {
12    if (err) {
13      console.error('Error connecting to MySQL:', err.stack);
14      return;
15    }
16
17    console.log("Connected to MySQL as id "+connection.threadId);
18
19    connection.end();
20  });
```

- Node index.js

```
C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>node index.js
Connected to MySQL as id 8
C:\Users\91971\Desktop\4 SEM\Internship\Git_Repo_Demo\task-11>
```