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2KE20CS032

Assignment 24

Understood. To follow the provided instructions and create the files/directory using the same name and case as provided in the task steps, please provide me with the specific names and case instructions for the files/directory you want to create.

Git

Assignment 3 :Build a CRUD project using nodejs and mysql

What is npm?

npm (Node Package Manager) is a powerful package manager for Node.js projects. It allows you to easily install, manage, and share packages and dependencies in your Node.js applications.

About the project:

It is a node.js project based on CRUD operation. We can create, add, update and delete

players. In the front end we are using html, css, and javascript, for the backend we are using Nodejs, and for database we are using mysql.

1. Open a terminal.

2. Install the required dependencies:

```
sudo yum install -y gcc-c++ make
```

📄 >_ \$ _

3. Add the NodeSource repository for Node.js:

```
curl -sL https://rpm.nodesource.com/  
setup_16.x | sudo bash -
```

📄 >_ \$ _

4. Install Node.js 16:

```
sudo yum install -y nodejs
```

📄 >_ \$ _

5. After the installation is complete, you can verify that Node.js 16 is installed by running the following commands:

```
node --version  
npm --version
```

📄 >_ \$ _

```
lusy@localhost.localdomain ~ git:(HEAD) ±6 (31.423s)
```

```
sudo yum install -y nodejs
```

```
[sudo] password for lusy:
```

```
Last metadata expiration check: 0:46:31 ago on Fri 06 Oct 2023 07:46:11 PM IST.  
Dependencies resolved.
```

```
=====
```

Package	Architecture	Version
Installing:		
nodejs	aarch64	1:16.20.1-2.el9
Installing dependencies:		
nodejs-libs	aarch64	1:16.20.1-2.el9
Installing weak dependencies:		
nodejs-docs	noarch	1:16.20.1-2.el9
nodejs-full-t18n	aarch64	1:16.20.1-2.el9
npm	aarch64	1:8.19.4-1.16.20.1.2.el9

```
=====
```

```
Transaction Summary
```

```
lusy@localhost.localdomain ~ git:(HEAD) ±6 (0.298s)
```

```
node --version
```

```
npm --version
```

```
v16.20.1
```

```
8.19.4
```

1.Clone this repository <https://github.com/abdulmalik07-m/node-mysql-crud.git>

```
lusy@localhost.localdomain ~ git:(HEAD) ±9 (0.024s)
```

```
ls
```

```
Docker Docker2 Docker4_sql_data hello-world mattermost mysql_data sql -v.hwm -v.pwi  
Docker1 Docker3 Docker5 java_project maven-test1 node-mysql-crud test-docker-compose -v.pwd
```

2. Navigate inside the project folder execute 'nom install' (It will install all the dependencies

from package.json)

```
lusy@localhost.localdomain ~/node-mysql-crud git:(main) ±6 (5.956s)
```

```
npm install
```

```
up to date, audited 104 packages in 6s
```

```
10 packages are looking for funding
```

```
run `npm fund` for details
```

```
found 0 vulnerabilities
```

3.Import db.sql file to your mysql server

```
lusy@localhost.localdomain ~/node-mysql-crud git:(main) ±4 (3.554s)
mysql -u root -p socka < db.sql
```

```
mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with \n.
Your MySQL connection id is 26
Server version: 8.0.32 Source distribution

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input state.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mattermost |
| mysql |
| performance_schema |
| socka |
| sys |
+-----+
6 rows in set (0.01 sec)

mysql> exit
Bye
```

Note use this for host:(while config the app.js file)

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input state

mysql> SELECT user, host FROM mysql.user WHERE user = 'root';
+-----+-----+
| user | host |
+-----+-----+
| root | localhost |
+-----+-----+
1 row in set (0.00 sec)

mysql> █
```

4.Open app.js and configure your DB there

```
// create connection to database
// the mysql.createConnection function takes in a configuration
// name.
const db = mysql.createConnection ({
  host: 'localhost',
  user: 'root',
  password: 'password',
  database: 'socka'
});
```

5.Run' node app.js

```
lusy@localhost.localdomain ~/node-mysql-crud git:(main) ±4
node app.js
Server running on port: 5000
Connected to database
```

```
lusy@localhost.localdomain ~ git:(HEAD) ±9 (0.136s)
sudo systemctl stop firewalld
```

```
lusy@localhost.localdomain ~ git:(HEAD) ±9
sudo systemctl status firewalld
○ firewalld.service - firewalld - dynamic firewall daemon
   Loaded: loaded (/usr/lib/systemd/system/firewalld.service;
   Active: inactive (dead) since Sat 2023-10-07 10:08:13 IST;
   Duration: 18min 43.071s
   Docs: man:firewalld(1)
```


6. Now go to the browser and access your webpage

a) add player

Getting Started

Socka Players

Add a Player

ID	Image	First Name	Last Name	Position	Number	Username	Action
2		Kartik	Heagdi	Goalkeeper	8625	@Kartii	<div>EditDelete</div>

Verify in databases (reflection)

```
mysql> select * from players;
+----+-----+-----+-----+-----+-----+-----+
| id | first_name | last_name | position | number | image | user_name |
+----+-----+-----+-----+-----+-----+-----+
| 2  | Kartik    | Heagdi   | Goalkeeper | 8625  | Kartii.jpeg | Kartii    |
+----+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)

mysql>
```

b)Delete the player

Socka Players

Add a Player

No players found. Go [here](#) to add players.

Verify in databases (reflection)

```
mysql> select * from players;
Empty set (0.00 sec)

mysql>
```