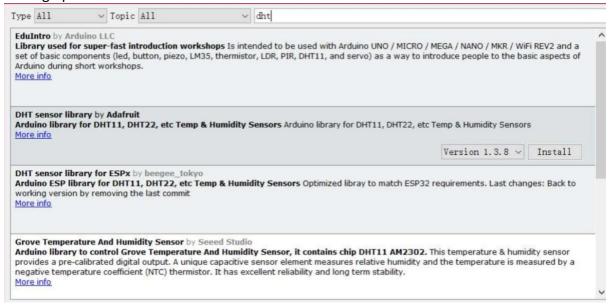STEP 1:

Setting up T-Watch

Setting up the IP address and connect the watch to WiFi with the ESP32

STEP 2:
Get the latest code from Github on the Server

```
git pull
```

This command gets the latest code and after this we can make changes to the code according to our requirement.

STEP 3:
We have to always have the server running all the time. Steps to be followed

Installation

```
$ [sudo] npm install forever -g
```

Note: If you are using forever *programmatically* you should install **forever-monitor**.

```
$ cd /path/to/your/project
$ [sudo] npm install forever-monitor
```

Example

```
forever start app.js
```

STEP 4

Setting up Mongo on Ubuntu:
MongoDB is a free, distributed, and an open-source document database at its core that powers high availability, horizontal scaling, and geographic distribution. It stores data in JSON-like documents and supports Ad hoc queries, indexing, and real-time aggregation.

Update the local package repository

```
> sudo apt-get update
```

Installing mongodb-clients mongodb-server and installing forever

```
sudo apt install nodejs npm mongodb-clients mongodb-server

sudo npm install -g n forever

sudo n latest
```

Start the service with systemcl.

```
> sudo systemctl start mongodb
```

Check if mongodb has been started on port 27017 with netstat command:

```
> netstat -plntu
```

Check if the service has started properly.

```
> sudo systemctl status mongodb
```

The output to the above command will show `active (running)` status with the PID and Memory/CPU it is consuming.

Enable auto start MongoDB when system starts.

```
> sudo systemctl enable mongodb
```

Stop MongoDB

```
> sudo systemctl stop mongodb
```

Restart MongoDB

```
> sudo systemctl restart mongodb
```

Step 5
To Get the Latest Temperature from the Database:

```
db.users.find({}).sort({_id:-1}.limit(1)
```