

## What is Sequelize?

Sequelize is a Object Relational Mapper for Nodejs.

This tutorial is about creating a table contacts in database contacts.

database.js has to be created in folder or directory util

Following is the code for database.js file, this file is used to open a connection with the database.

---

```
const Sequelize = require('sequelize');

const sequelize = new Sequelize('contacts', 'root', '', {
  dialect: 'mysql',
  host: 'localhost'
});

module.exports = sequelize;
```

---

Following is the code for contact.js file , you can consider as object relational mapper file that maps structure of table contact in the database

contacts.js has to be created in folder models

```
const Sequelize = require('sequelize');

const sequelize = require('../util/database');

const Contact = sequelize.define('contact', {
  id: {
    type: Sequelize.INTEGER,
    autoIncrement: true,
    allowNull: false,
    primaryKey: true
  },
  name: Sequelize.STRING,
  address: Sequelize.STRING,
  mobileno: Sequelize.STRING,
  email: Sequelize.STRING
});

module.exports = Contact;
```

---

Following is the code for testseq.js which will create a table contact in database contacts and will insert a row in table contact

```
const http=require('http');
const Contact = require('../models/contact');
const sequelize = require('../util/database');
sequelize
```

```
.sync()
.then(result => {
  // console.log(result);
  server.listen(3000);
})
.catch(err => {
  console.log(err);
});
const server= http.createServer((req,res)=>{

  Contact.create({
    name: 'raman',
    address: 'address1',
    mobileno: '98990',
    email: 'eajdj.com'
  })
  .then(result => {
    // console.log(result);
    console.log('Created Contact');
  })
  .catch(err => {
    console.log(err);
  });

});
```

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