

## Steps to create server

### Template 1:

1. Create a folder.
2. Open that folder in VS code.
3. Enter command to create node js project "npm init -y"
4. Install express and mongoose package using "npm install express mongoose"

### Template 2:

1. Create server.js file
2. Import express and mongoose.
3. Create instance of express()
4. mongoDB connection using mongoose
5. Start server using app.listen()

Add :  
body-parser  
Import routes

### Template :3

1. Create src folder in same folder
2. Create three folder inside the src folder (model, routes , controller)
3. Create file inside the model folder with name user.model.js

//model code start

```
const mongoose = require("mongoose");

const UserSchema = mongoose.Schema({
  name: {
    type: String,
  },
  age: {
    type: Number,
  },
  roll: {
    type: Number,
  },
});

module.exports = mongoose.model("User", UserSchema);
```

//model code end

## Template :4

1. Create user.controller.js file inside the controller folder
2. Import user model into user.controller.js file

//controller code start

```
const User = require("../model/user.model");

exports.addUser = (req, res) => {
  new User(req.body)
    .save()
    .then((resData) => {
      //resolve
      res.jsonp({
        message: "User added Successfully",
        status: true,
        result: resData,
      });
    })
    .catch((error) => {
      //reject
      res.jsonp({
        message: "Unable to add User",
        status: false,
      });
    });
};

exports.getAllUsers = (req, res) => {
  User.find()
    .then((resData) => {
      res.jsonp({
        message: "User fetched Successfully",
        status: true,
        result: resData,
      });
    })
    .catch((error) => {
      res.jsonp({
        message: "Unable to fetch User",
        status: false,
      });
    });
};
```

```
    });  
  });  
};
```

//controller code end

## Template :5

1. Create user.routes.js inside routes
2. Import router from express
3. Import user controller from src controller folder

```
const router = require("express").Router();  
const UserController = require("../controller/user.controller");  
  
router.post("/add", UserController.addUser);  
  
router.get("/get", UserController.getAllUsers);  
  
module.exports = router;
```

## Template :6

1. Import user routes in server
2. Create path for user.routes.js file

```
const express = require("express");  
const mongoose = require("mongoose");  
const app = express();  
const port = 9000;  
  
mongoose  
  .connect("mongodb://localhost:27017/perceptDB")  
  .then(() => {  
    //resolve  
    console.log("Database connected successfully");  
  })  
  .catch(() => {  
    //reject  
    console.log("Unable to connect database");  
  });
```

```
const userRoute = require("../src/routes/user.routes");
app.use("/user", userRoute);

app.listen(port, () => {
  console.log("Server is running on port ", port);
});
```

```
var bodyParser = require('body-parser')
// parse application/x-www-form-urlencoded
app.use(bodyParser.urlencoded({ extended: false }))
// parse application/json
app.use(bodyParser.json())
```