ExpressJS

1. Create a folder expressjs1
2. Create a package.json by using npm init
3. Install express and body-parser by using command npm install express body-parser
4. Add middlewares-→these are functions which need to get executed for all requests
5. Define functions for individual routes(different urls)

Conat app=express()

App.use((req,resp,next)=>{})	It is used to handle all types of request, Since the first parameter is not url, hence it is used as middleware, Any common functionality can be added in the middleware, The last line of every middleware has to be next(), so that next middleware will get executed
App.get("/test",(req,resp)=>{})	It is a url specific function , will be executed if we receive /test url via GET method
App.post("/test",(req,resp)=>{})	It is a url specific function , will be executed if we receive /test url via POST method
App.all("/test",(req,resp)=>{})	It is a url specific function , will be executed if we receive /test url via any method
App.listen(port,callback function)	It will generate nodeserver and start it at given port

body-parser middleware

It is used to separate data from url

To separate data use following function

Bodyparser.urlEncoded({extended:false})

It will separate data and stores it in req.query object if the method is GET

It will separate data and stores it in req.body object if the method is POST

To use expressdatabsedemo

Create following table in mysql add 5 records in the project

CREATE TABLE user (

   uname varchar(20) primary key,

 password varchar(25),

 role varchar(20))

<mark>If you get error in mysql connection</mark>

If you don't have a 127.0.0.1 equivalent user:

CREATE USER 'root'@'127.0.0.1' IDENTIFIED WITH mysql_native_password BY 'password';

If you already have the user, reset its password:

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'password';

Redo your grants on the 127.0.0.1 user:

GRANT ALL PRIVILEGES ON *.* TO 'root'@'127.0.0.1';

FLUSH PRIVILEGES;

To create CRUD application in expressjs

```
expresswebapp
    db
       dbconnection.js--> databse connection
    views
       all dynamic pages of ejs
    router
       myrouter.js--->all path specific functions
    model
       all entity classes -->sequilize
    app.js
```

To use expressweb application

Create following table in mysql, insert 5 records into the table

CREATE TABLE product (

   pid int primary key,

  pname varchar(25),

  qty int,

  price decimal(9,2),

  expdate date,

```
  cid int
)
```