**Express JS – Last Minute Notes**

**Question1) What is Express js ?**

* Express Js is the npm library which are used to create api for the backend applications , it is completely based on node js and javascript

**Question 2) What is the syntax to declare the express application ?**

// Creating the instance of the express

const app = express();

// defining  the port variable

const port = process.env.port||4000;

// making app run on the defined port

app.listen(port,()=>{

    console.log(`Server is Running on ${port}port`)

})

**Question 3) How to define the getRoute in the express js ?**

/\*\*Get Routes---\*/

app.get('/',(request,response)=>{

    return response.status(200).send({name:"Rishabh"})

})

app.get('/v1/users',(request,response)=>{

    return response.status(200).send(mockUsers)

})

**Question 4) What the route params and how to get the route params in the express js ?**

* Route params are the dynamic parameters in the url which creates the meaning full routes , This is are used to create multiple unique routes .

**Below is the code snippet of how we can get the request params from the code snippet.**

* // Route Params --> To get the request Params from the request we use request.params.<paramName>
* app.get('/v1/user/:id',(request,response)=>{
* // To get the params we need to use the request Object which has Params object which is again contains all the params
* const requestId = parseInt(request.params.id);
* // Checking if the requery param is not present
* if (isNaN(requestId)) return response.status(400).send({data:"none",errorMessage:"Bad Request"})
* const userById = mockUsers.filter((elem)=>elem.id===requestId)
* // checking if the userById is not present
* if(!userById) return response.sendStatus(404)
* return response.status(200).send(userById)
* })

To get the value of the route params from the request object we need to use

***Response.params.<param-name>***