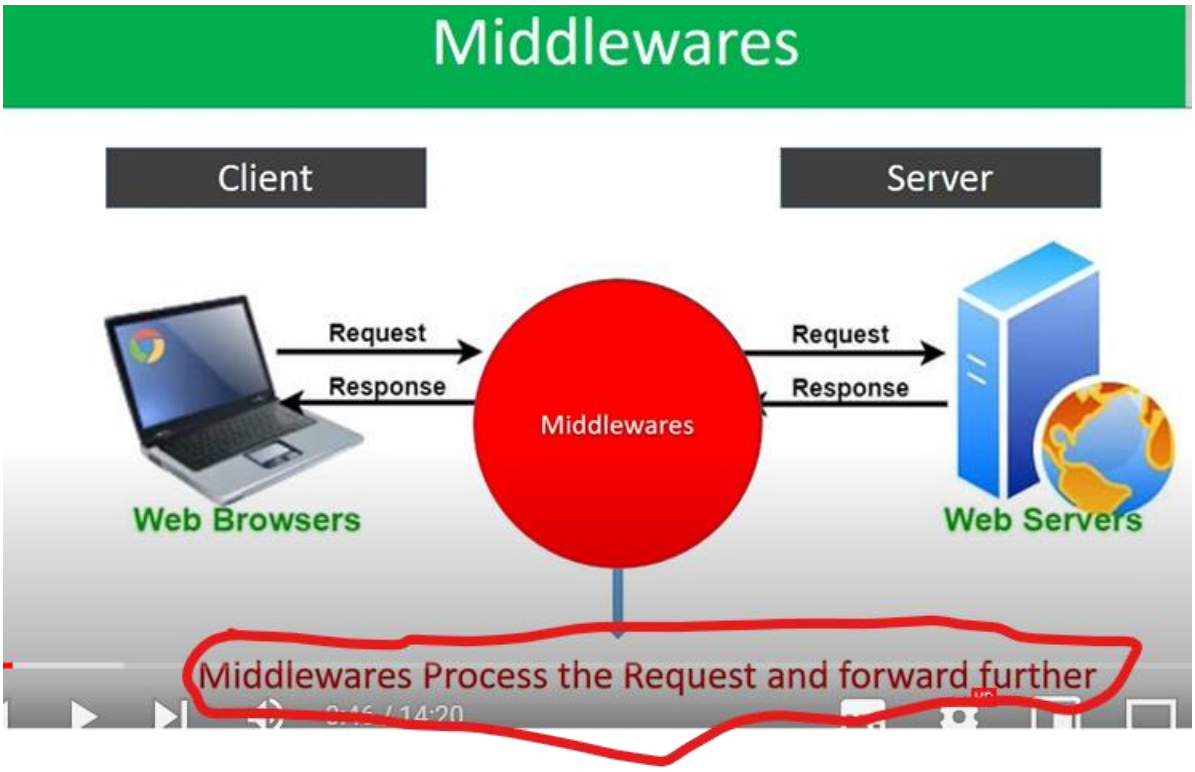
MIDDLEWARES



MIDDLEWARES are nothing but the request from the clients taken by middlewares then middle wares process forward request forward to server then client will get response

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** to implement middlewares we will use routes

In Express.js, routes are like that tell your web application how to respondto different Http requests, URLs or endpoints. Routes are used to define what happens when a user visits a specific URLon our website or makes a request to your API. Routes help us to organize our application's functionalityand determine what content or data should be sent back to the user in response to their request.

Created 3 routers showing outputs

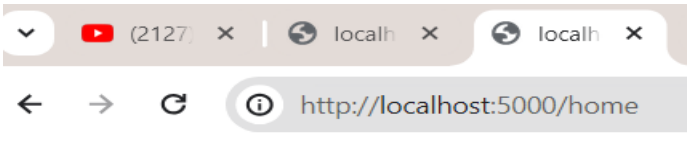
```
const express = require("express");
const app = express();
const port = 5000;

//creation  3 of router
app.get("/home", (req, res) => {
  res.send("THIS IS HOME PAGE");
});

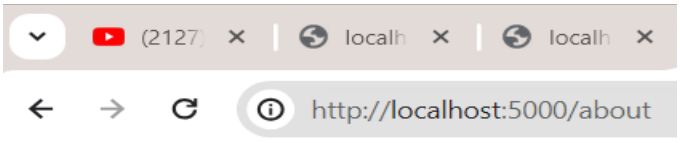
app.get("/about", (req, res) => {
  res.send("THIS IS ABOUT PAGE");
});

app.get("/user/:121", (req, res) => {
  res.send("YOU HAVE SELECTED 121");
});

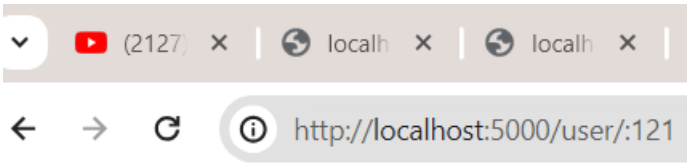
app.listen(port, () => {
  console.log("Server started and running Successfully");
});
```



THIS IS HOME PAGE



THIS IS ABOUT PAGE



YOU HAVE SELECTED 121

Now about middlewares

1) Middleware is a function
2) To register middleware
   → app.use((req,res,next)=>{})

```
app.use((req, res, next) => {
  if (10 > 20) {
    next();
  }
});
```

3) Here next used to excute next code without any interpution (if condition is ture)

```
const express = require("express");
const app = express();
const port = 5000;

app.use((req, res, next) => {
  if (10 < 20) {
    next();
  }
});

//creation  3 of router
app.get("/home", (req, res) => {
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});

app.listen(port, () => {
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});
```

Here 10<20 so we are getting output for
locolhost:5000/home
locolhost:5000/about
locolhost:5000/user/:121

```
const express = require("express");
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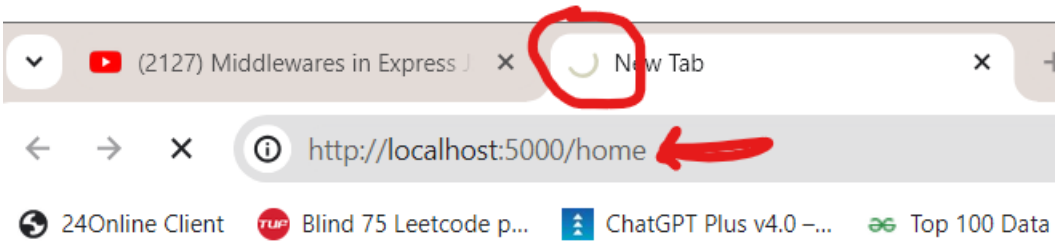
});
```

Here 10>20 is false so next() will not get excuted to go next steps
so we did not got output.ourpage is refreshing



Middle ware mostly used to checkfor condition acooding to it execution of next steps

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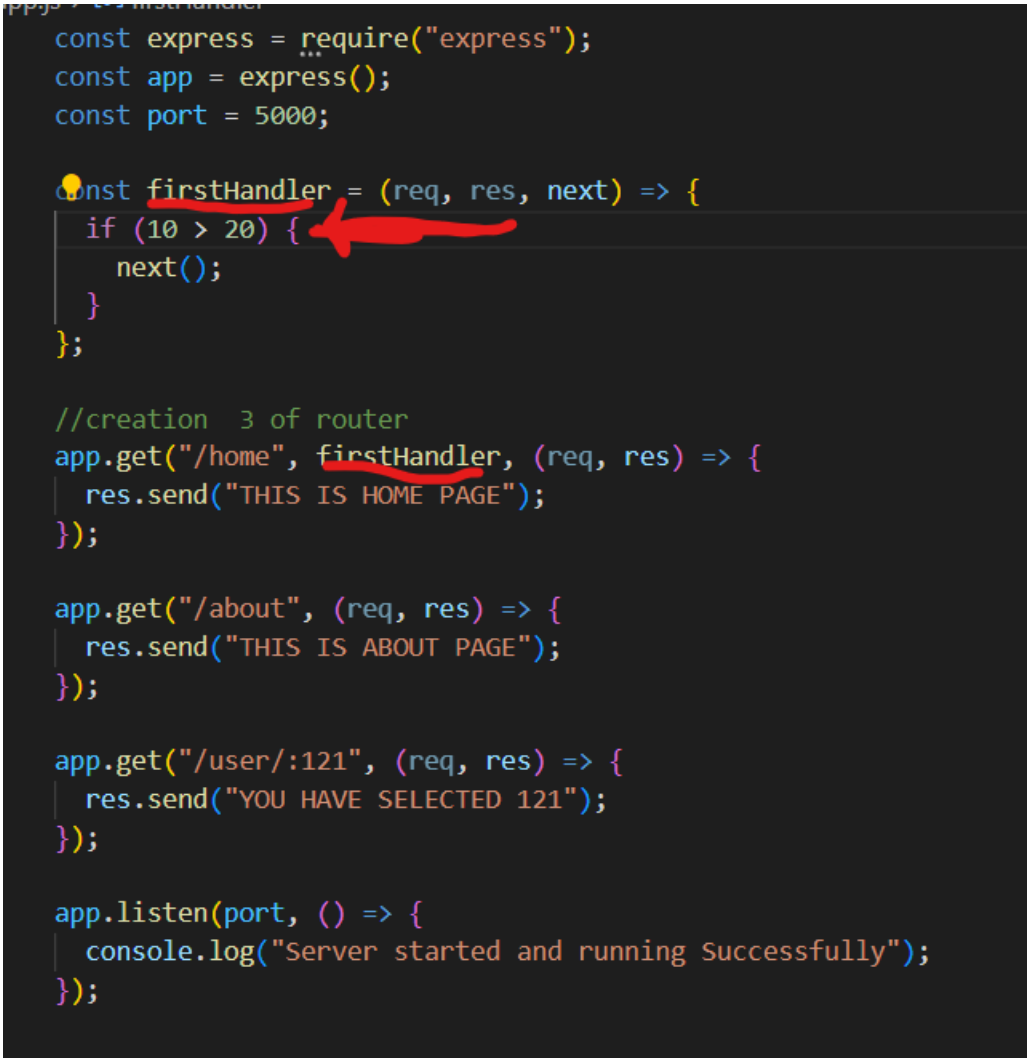
now applying middlewares to partical routes steps

1)Assign middlewares to varbile so remove app.use

```
const firstHandler = (req, res, next) => {
  if (10 < 20) {
    next();
  }
};
```

2) applying this particular varible name to to individual router which should display according to condition

```
//creation  3 of router
app.get("/home", firstHandler,(req, res) => {
  res.send("THIS IS HOME PAGE");
});
```



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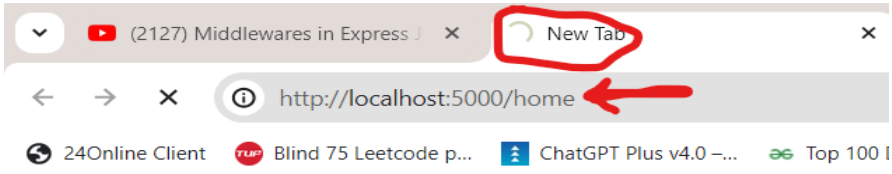
});

app.listen(port, () => {
  console.log("Server started and running Successfully");
});
```

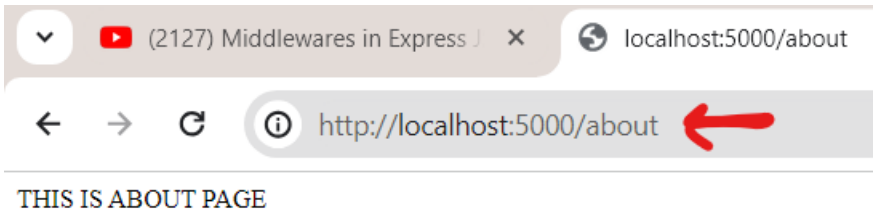
Here middleware applied to only homeroute and 10>20 is false so home→ is not open and about , user/121 will open because middleware is not applied to about , user/121

1) For localhost:5000/home



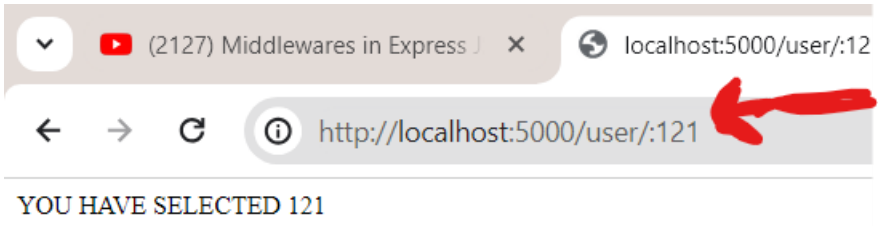
Not opening bcoz condition is wrong

2)locolhost:5000/about



Opening because middleware is not applied to it

3)localhost:5000/user/121



Opening because middleware is not applied to it

Creating more middlewares assigning to routers

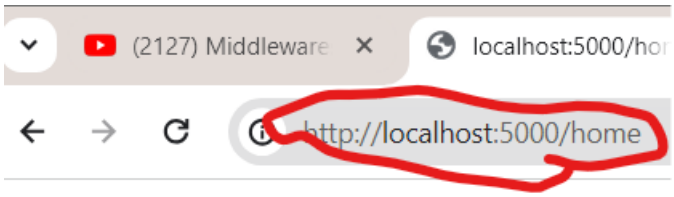
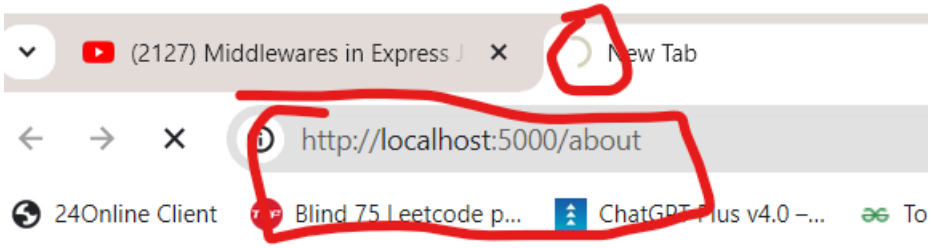
```
const firstHandler = (req, res, next) => {
  if (10 < 20) {
    next();
  }
};

const secondHandler = (req, res, next) => {
  if (10 > 20) {
    next();
  }
};

//creation  3 of router
app.get("/home", firstHandler, (req, res) => {
  res.send("THIS IS HOME PAGE");
});

app.get("/about", secondHandler, (req, res) => {
  res.send("THIS IS ABOUT PAGE");
});

app.get("/user/:121", (req, res) => {
  res.send("YOU HAVE SELECTED 121");
});
```



THIS IS HOME PAGE