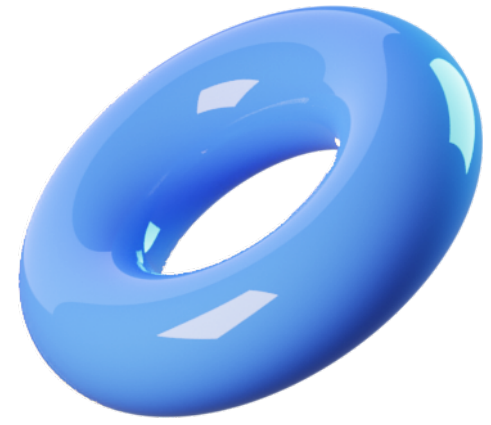


# Routing using Express.js



@dev\_huzaifa

Huzaifa Qureshi



# What is Routing ?

Routing is a method that refers to determining how an application responds to a client request to a particular path and a specific HTTP request method (GET, POST, and so on).

In simple terms, routing is controlling which function gets invoked whenever the user navigates to a particular URL. In this context, URL refers to any path or route.



We define routing in express using methods of Express app object that corresponds to HTTP methods

```
app.METHOD(PATH,CALLBACK)
```

This function tells the server, “If a user navigates to PATH, then perform the following CALLBACK function and perform an HTTPMETHOD request.”

Here are the most commonly used **METHODs**:

**get:** To handle GET requests (i.e. to request/GET data from a specified resource).

**post:** To send data to a server to create/update a resource.

**put:** To send data to a server to create/update a resource.

The difference between POST and PUT requests is that the latter are idempotent. This means that PUT requests have no additional effect if they are called multiple times. In contrast, if you call a POST method more than once, your program will have side effects. Therefore, bear in mind that POST requests are not to be called more than once.

**delete:** For removal of a specified resource.



Routing methods can have more than one callback function as arguments. With multiple callback functions, it is important to provide next as argument to callback function and call next() within body of function to hand off control to next callback.

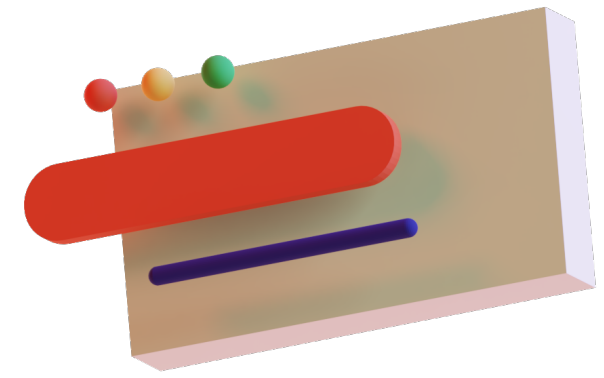


```
app.get( '/', ( req, res ) => {  
    res.send('hello world');  
});
```



```
app.get('/example/b' , (req, res, next) => {  
  
    console.log("response will be sent by next  
function " );  
    next();  
}, (req, res) => {  
    res.send("Hello from B!");  
});
```

# app.route method



create a chainable route handlers for a route path by using `app.route( )`

```
app.route( '/book' )
  .get( (req, res ) => {
    res.send('Get a random book');
  })
  .post( (req, res ) => {
    res.send('Add a book');
  })
  .put( (req, res ) => {
    res.send('update the book');
  });
```





**SOURCES, LEARN MORE FROM :**

**-medium blog on Express.js**

**[https://betterprogramming.pub/  
express-js-routing-1b48f459d43a](https://betterprogramming.pub/express-js-routing-1b48f459d43a)**

**-Official documentation of Express.js**



**For more such content  
Follow me :**

**@dev\_huzaifa  
Huzaifa Qureshi**