

Param Middleware in Express.js:

Purpose: Param middleware is a special type of middleware in Express.js that runs only when a specific parameter is present in the route URL. For example, when an `id` parameter is included in the URL.

Usage:

1. **Definition:** You define param middleware on a router using the `router.param()` method.
2. **Parameters:** The first argument is the parameter name (e.g., `id`), and the second is the middleware function.
3. **Function Signature:** The middleware function has access to `req`, `res`, `next`, and an additional argument `val`, which is the value of the parameter (e.g., the `id`).

```
router.param('id', (req, res, next, val) => {  
  console.log(`Tour id is ${val}`);  
  next();  
});
```

Middleware in web development, especially in Express.js, are functions that process requests before they reach the final route handler or before the response is sent back to the client.

Chaining: Middleware functions are executed in sequence, each having access to the request (`req`), response (`res`), and a `next()` function to pass control to the next middleware.