Routing and Request Handlers

1) **will the order of middleware functions matters?**

→ Yes, in express middlewares are processed in the order they are defined.

eg: → If you define a middleware with a path "/", it matches all the routes which starts with match & return the same response for all the routes even you hit the another path "/hello".

Soln:

→ To solve this place the generic "/path" at the end so that each path matches with the correct response.

> Always define specific routes before generic routes.
> Order of the routes matters.

2) **what is postman?**

→ It is an API platform for building, using & testing the API's.

3) **what happens when you use +, *, ? in the path?**

→ ? - indicates that letter is optional. we can also group things up with ()

eg: "/ab?c" → it works for both "/abc" & "/ac".
"/a(bc)?d" → it works for both "/ad" & "/abcd"

→ + - indicates that letter can be used multiple times. but all other characters should be in the same order.

eg: "/ab+c" → it works for both "/abc" & "/abbbbc"

→ * - indicates that it can have anything at that position.

eg: "/ab*c" → it works for both "/abc" & "/abSHANc".

→ we can also use regex in the path.

eg:
```
app.get ( /.*fly$/ , (req, res) => {
            res.send ("Hello")
})
```

4) How will you define a query Parameter in the route & how to access it?

→ we can add query Parameter using "?" and add more query Parameters to it using "&".

→ we can access the query parameter using req.query.

→ req.query returns an object with query parameter & its corresponding value.

eg: http://localhost:7777 ?userId=111 & Password = abc

        /user

```
app.get ("/user", (req, res) => {

            console.log (req.query) → { userId: "111",
            res.send ("Hello")                Password: "abc"
})                                          }
```

5) How to make the Routes dynamic?

→ we can add dynamic value to the route using ":" and get the value using req.params

eg: http://localhost:7777/user/111

```
app.get ("/user/:userId", (req, res) => {
            console.log( req.params) → { userId: "111" }
            res.send ("Hello")
})
```

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