



## Param Handlers

*Param Handlers are executed for every Request carrying a registered Parameter*

*index.js*

```
1. var express = require('express');
2. var app = express();
3.
4. app.param("msg",function(req, res, next, msg){
5.   console.log("Param Handler");
6.   console.log(`msg = ${msg}`);
7.   next();
8. })
9.
10. app.param("times",function(req, res, next, times){
11.   console.log("Param Handler");
12.   console.log(`times = ${times}`);
13.   next();
14. })
15.
16. app.get('/print/:msg/:times',
17.
18.   function (req, res) {
19.     var times = req.params.times;
20.     var message = req.params.msg;
21.     if(times === undefined){
22.       times = 10;
23.     }
24.     else
25.     {
```



```
times = parseInt(times);
}
if(message === undefined){
    message = "Hello World";
}
var data = "";
for(var i = 0 ; i < times ; i++){
    data += "<h1>" + message + "</h1>";
}
res.send(data);
}
);
app.listen(8081, function () {
    console.log('ExpressJS is running on port 8081');
});
```

*To verify use*

localhost:8081/print/hello/10

*usecase*

*Web Services generally use Route Parameters and the param handlers are used for the validation of the params*

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