

ModelMap and RequestParam

If you want to send parameter or anything to your view you can send that in the url.

Access <http://localhost:8080/login> on browser which gives usual response

Now will try sending parameters in rest url

<http://localhost:8080/login?name=Nagaraj>

This gives us nothing because we are not catching anything which is been sent from rest url. To catch it we can use the annotation called as RequestParam

```
@Controller
public class LoginController {

    @RequestMapping("/login")
    public String loginMessage(@RequestParam String name) {
        System.out.println("Hello " + name);
        return "login";
    }
}
```

Now will try sending parameters in rest url

<http://localhost:8080/login?name=Nagaraj>

Logs

```
2021-01-01 15:46:05.076 DEBUG 11498 --- [nio-8080-exec-2]
o.s.web.servlet.DispatcherServlet : GET "/login?
name=Nagaraj", parameters={masked}
2021-01-01 15:46:05.077 DEBUG 11498 --- [nio-8080-exec-2]
s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped to
com.example.demo.controller.LoginController#loginMessage(String)
Hello Nagaraj
2021-01-01 15:46:05.078 DEBUG 11498 --- [nio-8080-exec-2]
o.s.w.s.v.ContentNegotiatingViewResolver : Selected 'text/html'
given [text/html, application/xhtml+xml, image/webp, application/
xml;q=0.9, */*;q=0.8]
2021-01-01 15:46:05.079 DEBUG 11498 --- [nio-8080-exec-2]
o.s.w.servlet.view.InternalResourceView : View name 'login', model
{}
2021-01-01 15:46:05.079 DEBUG 11498 --- [nio-8080-exec-2]
o.s.w.servlet.view.InternalResourceView : Forwarding to [/WEB-INF/
jsp/login.jsp]
2021-01-01 15:46:05.081 DEBUG 11498 --- [nio-8080-exec-2]
o.s.web.servlet.DispatcherServlet : Completed 200 OK
```

Making this data available to the view.

Sending data from the Controller (C) to the view (V) through the model (M) this is called as Model View Controller MVC.

Creating a parameter as ModelMap and it is made available to the view.

@Controller

public class LoginController {

 @RequestMapping("/login")

 public String loginMessage(@RequestParam String name, ModelMap modelMap) {

 modelMap.put("name", name);

 return "login";

 }

}

Now whatever we made is now available to the jsp. Now how do access these values in the jsp page ?

Using Expression Language \${var_name} also called as JSTL (JavaServer Pages Standard Tag Library)

Login.jsp

<html>

 <head>

 <title>First web application</title>

 </head>

 <body>

 My first JSP !!! Hello \${name}

 </body>

</html>