

JAX-RS @PathParam example

By mkyong | July 1, 2011 | Updated : August 29, 2012 | Viewed : times

In JAX-RS, you can use `@PathParam` to inject the value of URI parameter that defined in `@Path` expression, into Java method.

1. @PathParam – Single Parameter

A simple and normal way to use `@PathParam`.

```
import javax.ws.rs.GET;
import javax.ws.rs.Path;
import javax.ws.rs.PathParam;
import javax.ws.rs.core.Response;

@Path("/users")
public class UserRestService {

    @GET
    @Path("/{id}")
    public Response getUserById(@PathParam("id") String id) {

        return Response.status(200).entity("getUserById is called, id : " + id).build();

    }

}
```

Java

In above example, the value of `{id}` from `"/users/{id}"` will match to `"@PathParam("id") String var"`.

URI Pattern : `"/users/22667788"`

```
getUserById is called, id : 22667788
```

Bash

2. @PathParam – Multiple Parameters

Example to inject multiple parameters into Java method.

Java

```
import javax.ws.rs.GET;
import javax.ws.rs.Path;
import javax.ws.rs.PathParam;
import javax.ws.rs.core.Response;

@Path("/users")
public class UserRestService {

    @GET
    @Path("/{year}/{month}/{day}")
    public Response getUserHistory(
        @PathParam("year") int year,
        @PathParam("month") int month,
        @PathParam("day") int day) {

        String date = year + "/" + month + "/" + day;

        return Response.status(200)
            .entity("getUserHistory is called, year/month/day : " + date)
            .build();
    }
}
```

URI Pattern : **"/users/2011/06/30"**

getUserHistory is called, year/month/day : 2011/6/30

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References

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