# Generate Log on Eclipse Console Using Log4j

### Create_Update_Delete_Resource.java

```
package training.RestAssuredDemo;

import static org.hamcrest.Matchers.~~is~~;

import java.util.HashMap;
import java.util.UUID;

import org.testng.Assert;
import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.path.json.JsonPath;
import io.restassured.response.Response;


public class Create_Update_Delete_Resource extends TestBase {

    HashMap<String, String> map = new HashMap<String, String>();

    UUID uuid = UUID.randomUUID();
    int id;
    Response response;
    JsonPath jsonPath;

    @Test(priority = 0)

    public void createPayload() {
        map.put("name", "Planet");
        map.put("email", uuid + "@gmail.com");
        map.put("gender", "male");
        map.put("status", "active");
        RestAssured.baseURI = "https://gorest.co.in/";
        RestAssured.basePath = "public/v2/users";
        logger.info("PayLoad Created");
    }

    @Test(priority = 1)

    public void createResource() {
        response =
RestAssured.given().contentType("application/json").body(map)
                          .header("Authorization", "Bearer
91f8d6dc455605f738cb3b42bb811c599ea01563c8e28882e45767c433ba9b0d")
                          .when().post().then().extract().response();
        logger.info("Resource Created");

        jsonPath = response.jsonPath();
        id = jsonPath.get("id");
        System.out.println(id);
    }
```

```
        @Test(priority = 2)
        public void verifyResource() {
                System.out.println("Id - " + id);
                RestAssured.given().contentType("application/json").body(map)
                                .header("Authorization", "Bearer 
91f8d6dc455605f738cb3b42bb811c599ea01563c8e28882e45767c433ba9b0d")

        .when().get("https://gorest.co.in/public/v2/users/" + 
id).then().statusCode(200);
                logger.info("Resource Verified");

                Assert.assertTrue(jsonPath.get("name").equals("Planet"));
        }

        @Test(priority = 3)

        public void updateResource() {
                map.put("name", "Captain Planet");
                map.put("email", uuid + "@gmail.com");
                map.put("gender", "male");
                map.put("status", "active");
                RestAssured.baseURI = "https://gorest.co.in/";
                RestAssured.basePath = "public/v2/users/" + id;

                RestAssured.given().contentType("application/json")
                                .header("Authorization", "Bearer 
91f8d6dc455605f738cb3b42bb811c599ea01563c8e28882e45767c433ba9b0d")

        .body(map).when().put().then().statusCode(200).assertThat().body("na
me", is("Captain Planet"));
                logger.info("Resource Updated");
        }

        @Test(priority = 4)

        public void deleteResource() {
                RestAssured.baseURI = "https://gorest.co.in/";
                RestAssured.basePath = "public/v2/users/" + id;

                RestAssured.given().contentType("application/json")
                                .header("Authorization", "Bearer 
91f8d6dc455605f738cb3b42bb811c599ea01563c8e28882e45767c433ba9b0d")
                                .when().delete().then().statusCode(204);
                logger.info("Resource Deleted");
        }
}
```

## TestBase.java

```java
package training.RestAssuredDemo;

import org.apache.log4j.Level;
import org.apache.log4j.Logger;
import org.apache.log4j.PropertyConfigurator;
import org.testng.annotations.BeforeClass;

import io.restassured.response.Response;
import io.restassured.specification.RequestSpecification;

public class TestBase {
	public static RequestSpecification httpRequest;
	public static Response response;

	public Logger logger;

	@BeforeClass
	public void setUp() {
		logger = Logger.getLogger("LogDemo");
		PropertyConfigurator.configure("log4j.properties");
		logger.setLevel(Level.DEBUG);
	}

}
```

## Log4j.properties

```
log4j.rootLogger=ERROR,stdout
log4j.logger.com.endeca=INFO
log4j.logger.LogDemo=DEBUG, dest1
# Logger for crawl metrics
log4j.logger.com.endeca.itl.web.metrics=INFO

log4j.appender.stdout=org.apache.log4j.ConsoleAppender
log4j.appender.stdout.layout=org.apache.log4j.PatternLayout
log4j.appender.stdout.layout.ConversionPattern=%p\t%d{ISO8601}\t%r\t%c\t[%t
]\t%m%n
```