

Προηγμένες Τεχνικές Προγραμματισμού

3^η Εργασία

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AM : 1066442

Έτος : 4^ο

[Github Link](#)

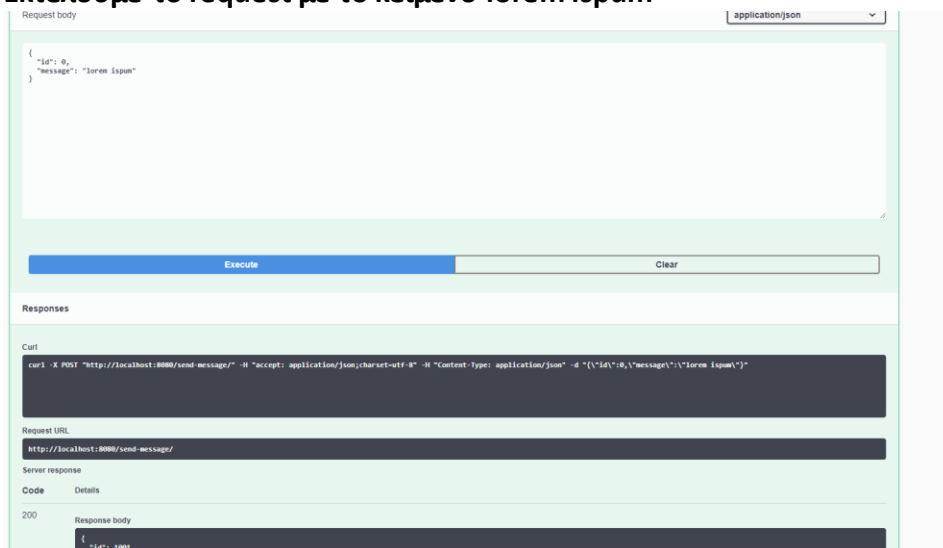
1) Τρέχουμε το Spring Application → Application.java → Run as Java Application



```
2022-05-29 20:51:16.519 INFO 10560 --- [main] gr.upatras.rest.mqtt.Application : Starting Application using Java 13 on DESKTOP-1GNIK5K7 with PID 10560 (C:\Users\Alexandros Mikelis\Des
2022-05-29 20:51:16.526 INFO 10560 --- [main] gr.upatras.rest.mqtt.Application : No active profile set, falling back to default profiles: default
2022-05-29 20:51:18.677 INFO 10560 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-05-29 20:51:18.706 INFO 10560 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-05-29 20:51:18.706 INFO 10560 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.39]
2022-05-29 20:51:18.834 INFO 10560 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-05-29 20:51:18.834 INFO 10560 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2176 ms
2022-05-29 20:51:19.658 INFO 10560 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2022-05-29 20:51:19.946 INFO 10560 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2022-05-29 20:51:20.326 INFO 10560 --- [main] gr.upatras.rest.mqtt.Application : Started Application in 4.965 seconds (JVM running for 5.572)
```

2) Συνδεόμαστε στο <http://localhost:8080/swagger-ui/> με σκοπό να κάνουμε ένα Post request

3) Εκτελούμε το request με το κείμενο lorem ipsum



4) Και βλέπουμε το published μυνημα στον mqtt .

```
2022-05-29 20:57:59.142 INFO 10560 --- [nio-8080-exec-2] gr.upatras.rest.mqtt.MyMqttClient : Connected to tcp://test.mosquitto.org:1883
2022-05-29 20:57:59.218 INFO 10560 --- [nio-8080-exec-2] gr.upatras.rest.mqtt.MyMqttClient : Publishing to topic "HW 3 Advanced Programming Techniques" qos 0" value lorem ipsum
2022-05-29 20:57:59.293 INFO 10560 --- [20-9874aab9ac91] gr.upatras.rest.mqtt.MyMqttClient :
2022-05-29 20:57:59.293 INFO 10560 --- [20-9874aab9ac91] gr.upatras.rest.mqtt.MyMqttClient : -----
2022-05-29 20:57:59.293 INFO 10560 --- [20-9874aab9ac91] gr.upatras.rest.mqtt.MyMqttClient : | Topic:HW 3 Advanced Programming Techniques
2022-05-29 20:57:59.293 INFO 10560 --- [20-9874aab9ac91] gr.upatras.rest.mqtt.MyMqttClient : | Message: {"value":"lorem ipsum"}
2022-05-29 20:57:59.293 INFO 10560 --- [20-9874aab9ac91] gr.upatras.rest.mqtt.MyMqttClient : -----
2022-05-29 20:57:59.293 INFO 10560 --- [20-9874aab9ac91] gr.upatras.rest.mqtt.MyMqttClient :
```