Challenge 2 - IoT 2024

Use this module for sending your answers for IoT Challenge #2
Some questions are composed of more parts, please answer to all parts.
In some cases we ask for a specific format, please follow the correct format!

Ciao, Francesco. Quando invii questo modulo, il proprietario vedrà il tuo nome e indirizzo email.

* Obbligatoria

1. Name Surname 1 *

Inserisci la risposta

2. Person Code 1 *

Inserisci la risposta

3. Name Surname 2

Inserisci la risposta

4. Person Code 2

Inserisci la risposta

5. Name Surname 3

Inserisci la risposta

6. Person Code 3 🔖

Inserisci la risposta

7. Question 1a.
How many different CoAP clients sent a GET request to a temperature
resource (.../temperature)? **(0.3pt)** * 🔖

Il valore deve essere un numero

8. Question 1b.
For each of the clients found in 1a), write the MID of the longest CoAP
response (any response) received by the client **(0.3pt)**
FORMAT: WRITE THE MIDS SEPARATED BY COMMA (NO SPACES):
mid1,mid2,mid3.... * 🔖

Inserisci la risposta

9. Question 2a.
How many CoAP POST requests directed to the "coap.me" server did NOT
produce a successful result? **(0.4pt)**
* 🔖

Il valore deve essere un numero

10. Question 2b.
How many requests from 2a) are directed to a "weird" resource? (resources like
/weirdXX)? **(0.2pt)**
* 🔖

Il valore deve essere un numero

11. Question 3a.
How many MQTT Publish messages with qos=2
are RECEIVED by the clients running in the machine capturing the
traffic? **(0.3pt)**
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Il valore deve essere un numero

12. Question 3b.
How many clients are involved in the messages found in 3a)? **(0.1pt)**
*

Il valore deve essere un numero

13. Question 3c.
What are the MQTT Message identifiers (ID) of the subscribe requests that let
the client receive the messages found in 3a)? **(0.2pt)**
FORMAT: WRITE THE IDS SEPARATED BY A COMMA (NO SPACES):
id1,id2,id3... *

Inserisci la risposta

14. Question 4a.
How many MQTT clients sent a subscribe message to a public broker using
atleast one wildcard? **(0.3pt)**
*

Il valore deve essere un numero

15. Question 4b.
Considering clients found in 4a), how many of them WOULD receive a publish

message directed to the topic: "metaverse/facility4/area0/light" **(0.3pt)**

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Il valore deve essere un numero

16. Question 5.
How many MQTT ACK messages in total are received by clients who connected to brokers specifying a client identifier shorter than 15 bytes and using MQTT version 3.1.1? **(0.5pt)**

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Il valore deve essere un numero

17. Question 6a.
How many MQTT subscribe requests with message ID=1 are directed to the HiveMQ broker? **(0.3pt)**

*

Il valore deve essere un numero

18. Question 6b.
How many publish messages are received by the clients thanks to the subscribe requests found in 6a) **(0.3pt)**

*

Il valore deve essere un numero

19. Question 7a.
How many MQTT-SN publish messages sent after the hour 3.59PM (Milan Time) are directed to topic 6? **(0.3pts)**

*

Il valore deve essere un numero

20. Question 7b.

    Explain possible reasons why messages in 7a) are not handled by the server **(0.2pts)**

    *

    Inserisci la risposta

Microsoft 365

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