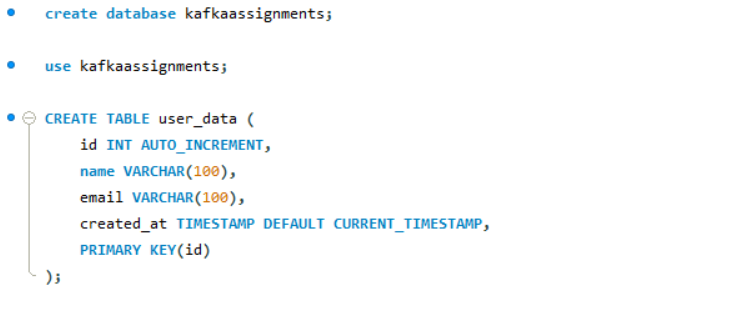
**Kafka Assignment**

**1.) MySQL Table (Table should have some column like created\_at or updated\_at so that can be used for incremental read)**

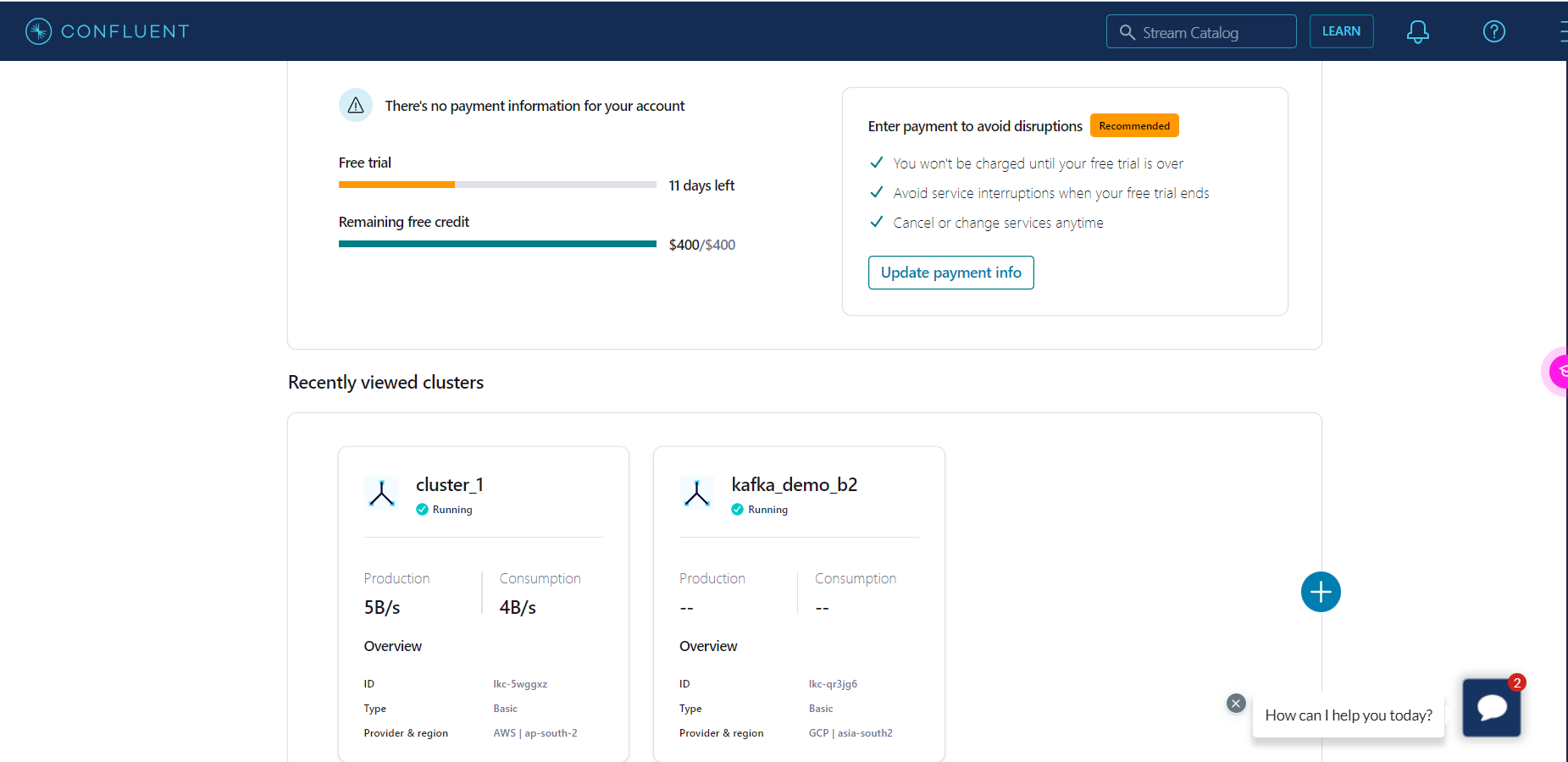


**2.) Write a python script which is running in infinite loop and inserting 4-5 dummy/dynamically prepared records**

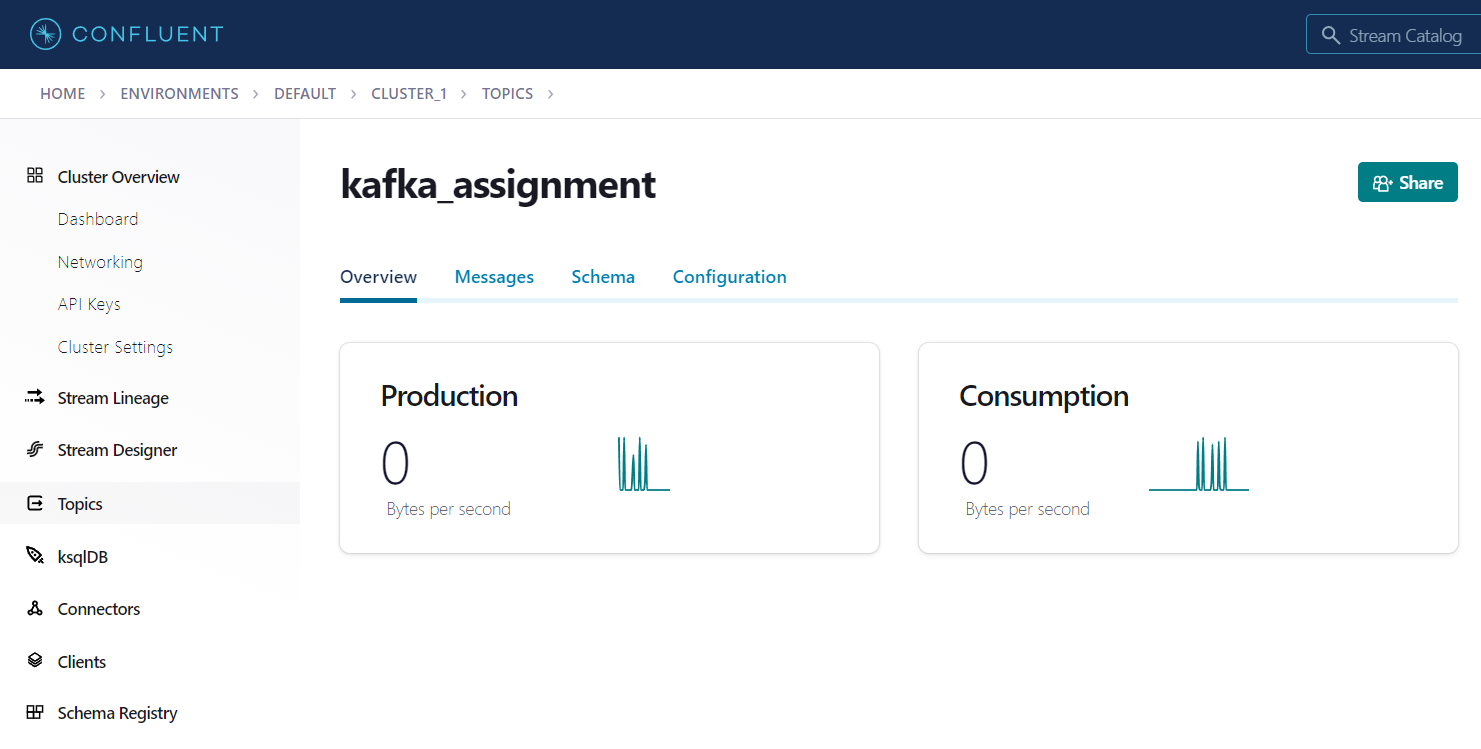
**in MySQL Table**

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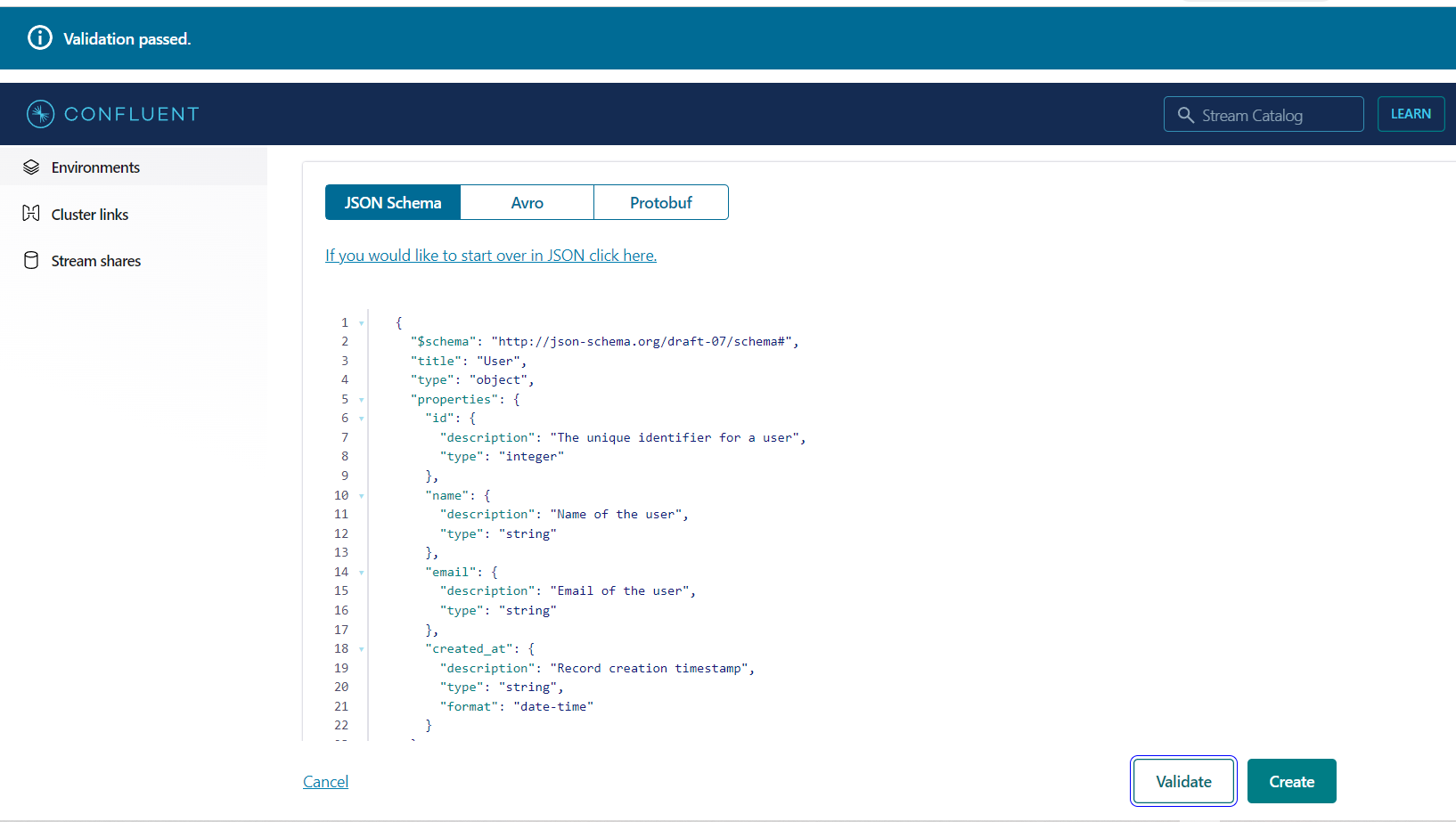
**3.) Setup Confluent Kafka**

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**4.) Create Topic**

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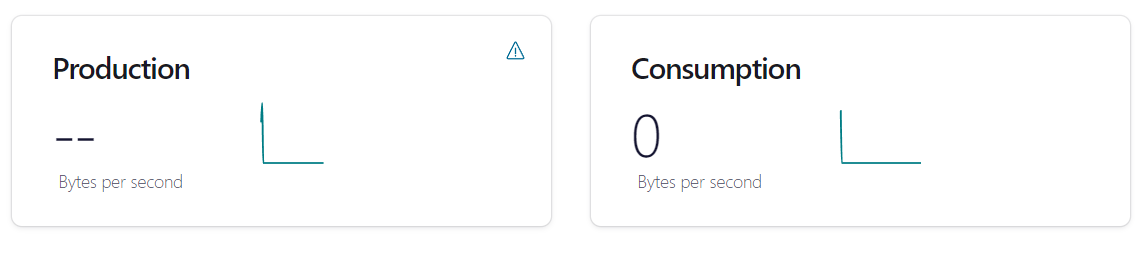
**5.) Create json schema on schema registry (depends on what kind of data you are publishing in mysql table)**

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**6.) Write a producer code which will read the data from MySQL table incrementally (hint : use and maintain create\_at column)**

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**7.) Producer will publish data in Kafka Topic**

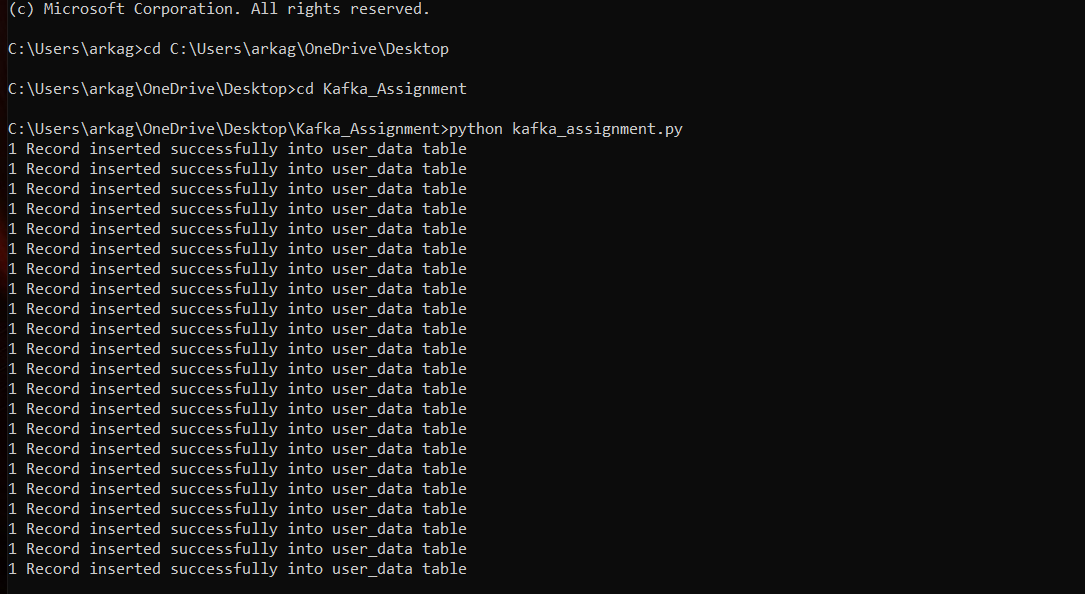
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**8.) Write consumer script to consume data from Kafka topic for specifically MySQL**

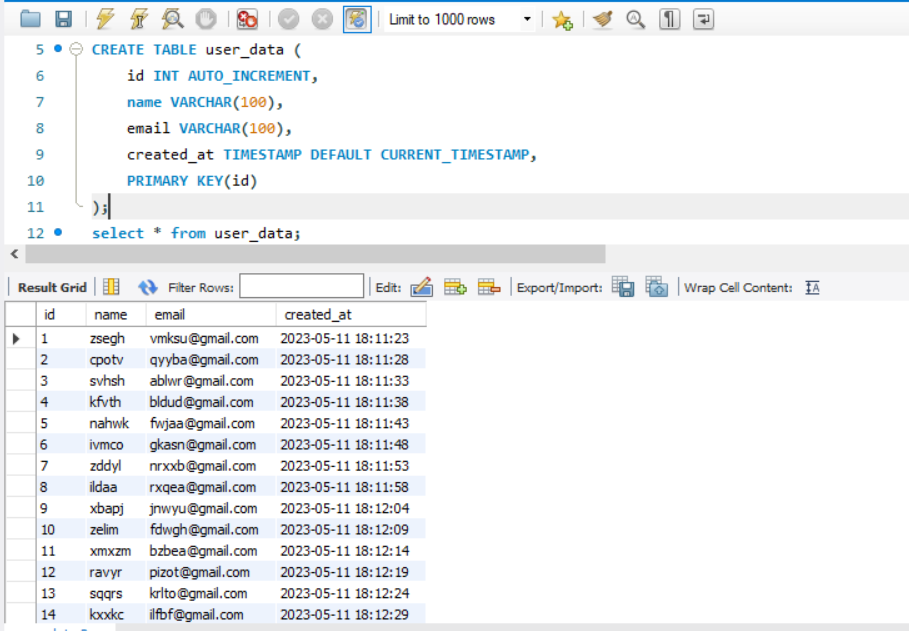
**a. Consumer script**

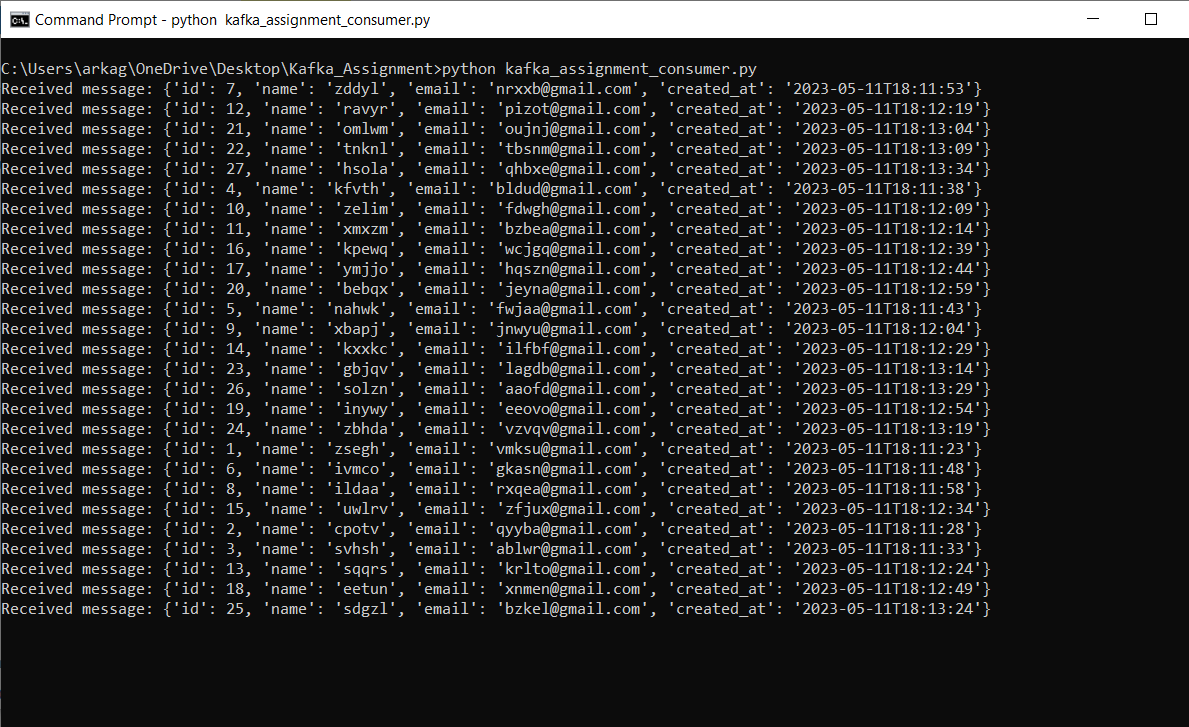
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**b. Consumer Script Running**

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**c. Data in MySQL table after Consumption**

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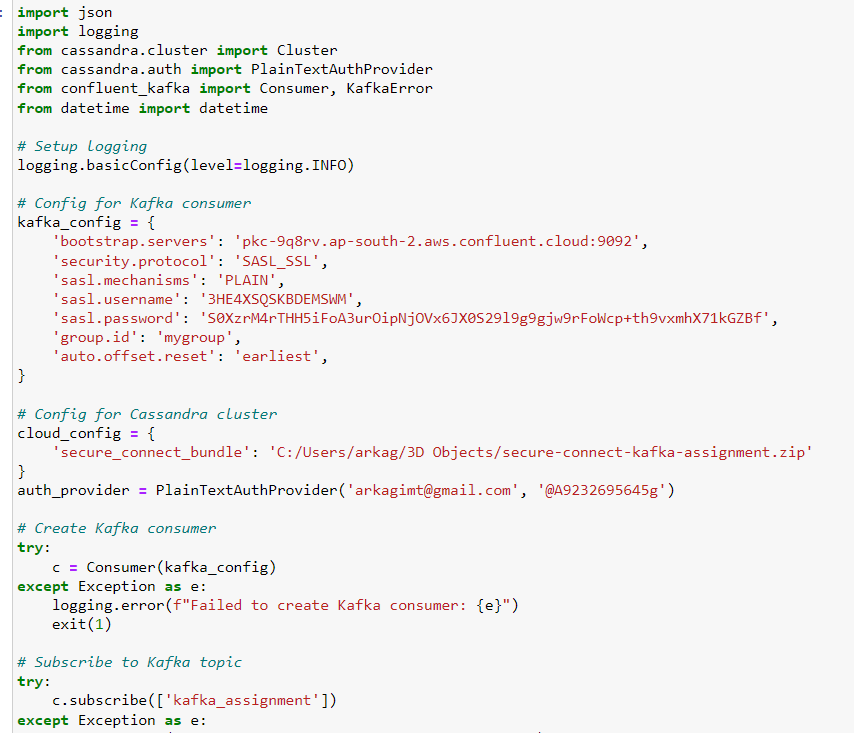
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**9.) In Kafka consumer code do some changes or transformation for each record and write it in Cassandra table**

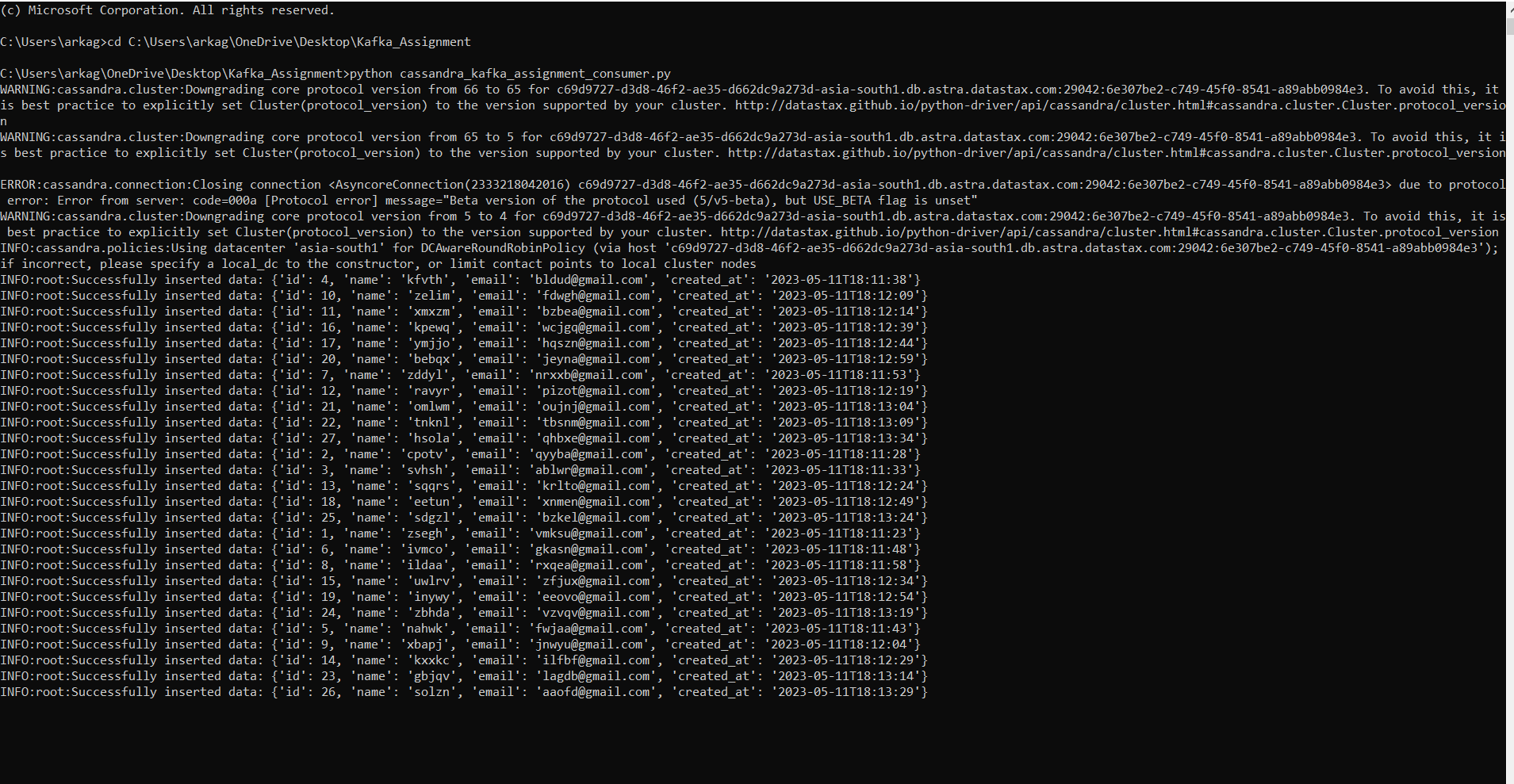
**a. Cassandra Keyspace and Table creation using Python Driver:**

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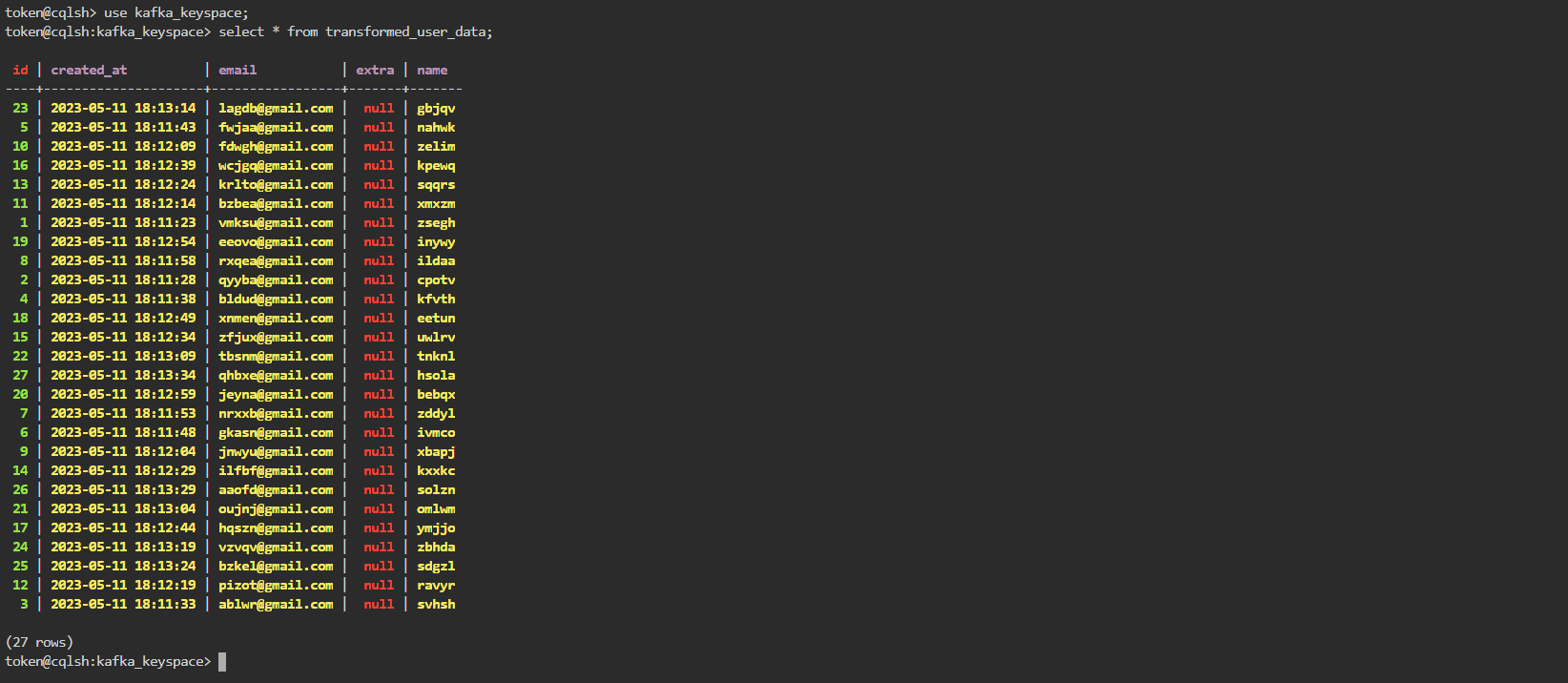
**b. Consumer script for Cassandra**

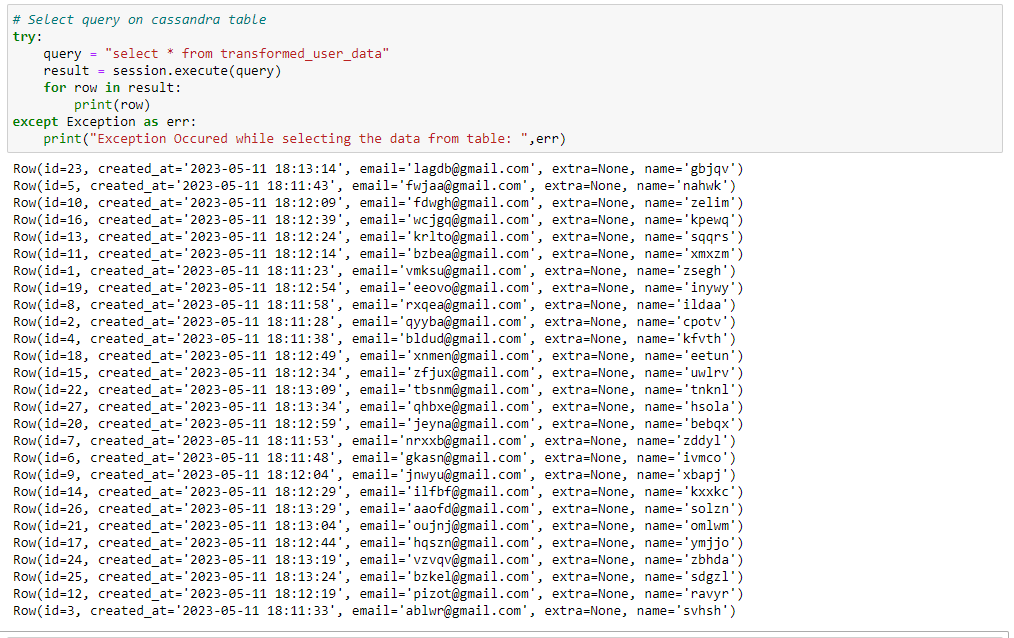
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**c. Consumer script run and data insertion**

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**d. Data in Cassandra table**

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