Assessment

⭐

You have passed the quiz!

Your score:
16 of 20 Correct (80%)

Elapsed time:
18 minutes

Hide Answers

Question 1: ✔ Correct answer
How do you find a time series with a specific name with Python SDK?

☑ client.time_series.list(<time_series_name>)

☐ ~~client.time_series.search(<time_series_name>)~~

☐ ~~client.time_series.look_up(<time_series_name>)~~

Question 2: ✔ Correct answer
What are the three different ways of authenticating your Cognite Client with Python SDK?

Select the option that has listed all three methods.

☐ ~~Interactive, LoginDevice Code, Application Code~~

☐ ~~Application Code, Tenant Secret, Client Secret~~

☑ **Interactive Login, Device Code, Client Secret**

Question 3: ✔ Correct answer
What are some of the Python objects that you can import from

`'cognite.client.data_classes'` ?

☐ ~~Asset, country, event~~

Question 4: ✔ Correct answer

When using the list operation (e.g., `client.assets.list()`), how many results will the Python SDK return by default?

☑ **25**

☐ ~~50~~

☐ ~~70~~

☐ ~~75~~

Question 5: ✔ Correct answer

What are the different ways that you can insert datapoints into CDF with Python SDK?

Multiple answers may be correct.

☑ **client.datapoints.insert_dataframe()**

☑ **client.datapoints.insert()**

☐ ~~client.datapoints.insert_data()~~

☐ ~~client.datapoints.insert_list()~~

Question 6: ✔ Correct answer

In Charts, which function do you use to detect gaps in the time stamps using a timedelta threshold?

Hint   +

☐ ~~Gaps detection, IQR~~

☑ **Gaps detection, threshold**

☐ ~~Change Point Detection~~

Question 7: ✖ Incorrect answer

What are the main ways to create value with Cognite Charts?

Multiple answers may be correct.

☑ **Decrease time and barrier to entry for domain experts to perform industrial data analytics.**

☑ ~~Enable operators working in the field to perform data engineering tasks.~~

☐ **Cognite's Industrial Data Science Library empowers rapid, reusable, and scalable industrial data science.**

2. Duplicate the **"Additional Data Quality Functions"** charts from the public charts tab.

How many gaps have been detected in the **Gaps detection, threshold** calculation during the following period: Aug 9, 2022 (9:00) - Aug 10, 2022 (9:00) (use the built-in threshold feature in Charts, where type is between min&max of 1)?

☑ ~~32~~

☐ **45**

☐ ~~65~~

Question 9: ✔ Correct answer

What parameters do you use to calculate a Pump's hydraulic power in Charts?

Multiple answers may be correct.

Hint   +

☑ **Total head**

☐ ~~Suction flow rate~~

☑ **Density of the fluid**

☑ **Pump liquid flow rate**

☐ ~~Flow speed~~

Question 10: ✔ Correct answer

Which alternative below accurately describes a goal of Cognite Charts?

☐ ~~Give access to anyone to Cognite's Industrial Data Science Library.~~

☐ ~~Ensure anyone can perform data engineering tasks.~~

☑ **Ensure anyone can perform industrial data science without coding knowledge.**

Question 11: ✔ Correct answer

What is the primary purpose of Cognite Functions?

☑ **To execute Python code on a schedule.**

☐ ~~To version control your code.~~

☐ ~~To perform data engineering tasks.~~

☐ ~~To test your coding abilities.~~

function?

☐ ~~To tell CDF what tags it should retrieve.~~

☑ **To allow the function to be called with different input arguments.**

☐ ~~To define what packages the Cognite Function should install.~~

☐ ~~To define the location of the source code.~~

Question 13: ✔ Correct answer

How do you get the logs of your Cognite function with the Python SDK?

Multiple answers may be correct.

☑ **By retrieving a Call object and doing `call.get_logs()`**

☐ ~~Client.functions.logs.list~~

☐ ~~Client.functions.get_logs~~

☑ **Client.functions.calls.get_logs**

Question 14: ✖ Incorrect answer

How do you call a Cognite function?

Multiple answers may be correct.

☑ **With the SDK using client.functions.call.**

☑ ~~With the SDK using client.functions.run.~~

☑ **By clicking "Run" on the Fusion functions interface.**

☐ **By setting a schedule for the function.**

Question 15: ✔ Correct answer

How would you create a Cognite function using the CDF user interface?

☐ ~~Trick question, you can only create a Cognite function via the SDK.~~

☑ **You create a zipped folder of all your source code and upload it via the UI.**

☐ ~~You copy and paste your code directly into the UI input box.~~

☐ ~~You copy and paste the link of your GitHub repo into the UI input box.~~

Question 16: ✔ Correct answer

In Grafana, which option fetches data from time series related to a specific asset?

☐ ~~Time series search~~

☑ **Time series from asset**

☐ ~~Time series custom query~~

☰
Lessons

⚓

**COGNITE
ACADEMY**

Role-
Based
Training

My
Overview

Academy
Discussions

🔍

⋮⋮

☐ ~~Aggregations~~

☐ ~~Granularity~~

☑ **Annotations**

Question 18: ✔ Correct answer
Fill in the gaps. When you add _____ in Power BI, the Cognite Power BI connector pushes the
filters to CDF via the Cognite _____.

☐ ~~data, Power BI connector~~

☑ **filters, OData service**

☐ ~~datapoints, Power Query~~

Question 19: ✔ Correct answer
How can you query CDF for the aggregates in Power BI?

☐ ~~By specifying time range and time series id.~~

☐ ~~By specifying time series id and granularity.~~

☑ **By specifying time range and granularity.**

Question 20: ✖ Incorrect answer
How can you download a lot of data into Power BI efficiently?

☐ ~~Using aggregation.~~

☐ **Using filtering.**

☑ ~~Using granularity.~~