**Getting Some Station Data**

1. Click on the Station schema. List the names of the values stored in it.

Id, code, officialName, operating, latitude, type, timeSeries

表格

中度可信度描述已自动生成

1. Which section uses the Station schema?

图形用户界面, 应用程序, Word

描述已自动生成

The response returned is in the form of the Station schema.

1. What is the id value for the station with an officialName of “Charlottetown” with an operating value of “true”?

The id is “**5cebf1e33d0f4a073c4bc21f**”

**"id": "5cebf1e33d0f4a073c4bc21f",**

**"code": "01700",**

**"officialName": "Charlottetown",**

**"operating": true,**

**"latitude": 46.23012108,**

**"longitude": -63.1221766,**

**"type": "PERMANENT",**

1. Open another browser tab and copy the Request URL value into it. What does it return?

It returns a very long unformatted json string which contains the Station schema.

报纸上的文字

描述已自动生成

**Accessing Water Level Data**

1. We need to specify a time series type.

* How do we find that?

Use “time-series-definitions” API. Which returns different time series definitions. Also, the timeseries schema defines the time series type as following:

图形用户界面, 文本, 应用程序

描述已自动生成

* What are the code values for “Water level official value” and “High and Low Tide Predictions”?

Water level official value : wlo

High and Low Tide predictions: wlp-hilo

**"id": "60b65a1f62a4df628689c974",**

**"code": "wlo",**

**"descriptionFr": "Niveau d'eau, valeur officielle",**

**"descriptionEn": "Water level official value",**

**"allowedPeriodInDays": 7**

**"id": "60b65a1f62a4df628689c97a",**

**"code": "wlp-hilo",**

**"descriptionFr": "Prédictions de pleines et basses mers",**

**"descriptionEn": "High and Low Tide Predictions",**

**"allowedPeriodInDays": 366**

1. We need to specify date in ISO 8601 format UTC.
   1. Use web search to discover what this is and give a short (maximum two sentence) description.

**ISO 8601** represents date and time by starting with the year, followed by the month, the day, the hour, the minutes, seconds and milliseconds. For example, 2020-07-10 15:00:00.000, represents the 10th of July 2020 at 3 p.m.

**Coordinated Universal Time** or **UTC** is the primary time standard by which the world regulates clocks and time.

* 1. Specify the value for the start of today’s lab in this format.

2021-12-06T17:30:00.00Z

1. Using the endpoint under the data functionality, retrieve the data for the Charlottetown station for “Water level official value” from noon until the start of the lab.

• What is the URL that was used?

https://api-iwls.dfo-mpo.gc.ca/api/v1/stations/5cebf1e33d0f4a073c4bc21f/data?time-series-code=wlo&from=2021-12-06T12%3A00%3A00.00Z&to=2021-12-06T17%3A30%3A00.00Z

• Take a screenshot of the Response body

图形用户界面, 文本

描述已自动生成

1. Using the endpoint under the data functionality, retrieve the data for the Charlottetown station for “High and Low Tide Predictions” for the entire day of 25 December, 2021.

• What is the URL that was used?

<https://api-iwls.dfo-mpo.gc.ca/api/v1/stations/5cebf1e33d0f4a073c4bc21f/data?time-series-code=wlp-hilo&from=2021-12-25T00%3A00%3A00.00Z&to=2021-12-25T24%3A00%3A00.00Z>

图形用户界面, 文本, 应用程序

描述已自动生成