

Sprint 2 Deliverables

Date	20 October 2022
Team ID	PNT2022TMID29695
Project Name	Project – Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Maximum Marks	4 Marks

Loading and Understanding the Dataset:

The screenshot shows a Google Colab notebook titled 'project2.ipynb'. The left sidebar displays the file explorer with a folder named 'sample_data' containing 'heart-disease-prediction.zip' and 'kaggle.json'. The main code area contains the following commands:

```
[1] ! pip install -q kaggle
[3] ! mkdir ~/.kaggle
[4] ! cp kaggle.json ~/.kaggle/
[5] ! chmod 600 ~/.kaggle/kaggle.json
[6] ! kaggle datasets download rishidamarla/heart-disease-prediction
```

The output for command [6] shows the download progress of 'heart-disease-prediction.zip' to the '/content' directory. Below the code, a terminal window shows the command to unzip the file:

```
! unzip heart-disease-prediction.zip
```

The output indicates the archive is 'heart-disease-prediction.zip' and it is inflating to 'Heart_Disease_Prediction.csv'.

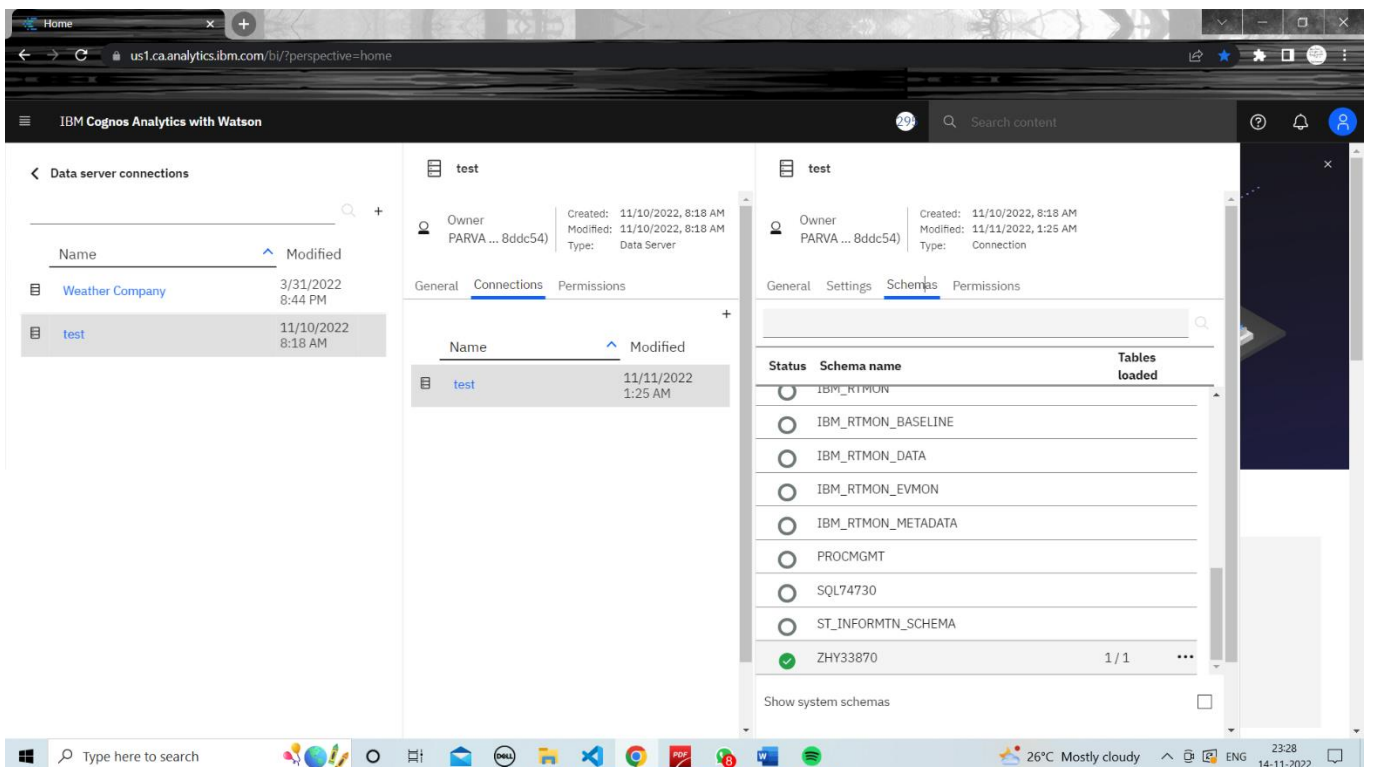
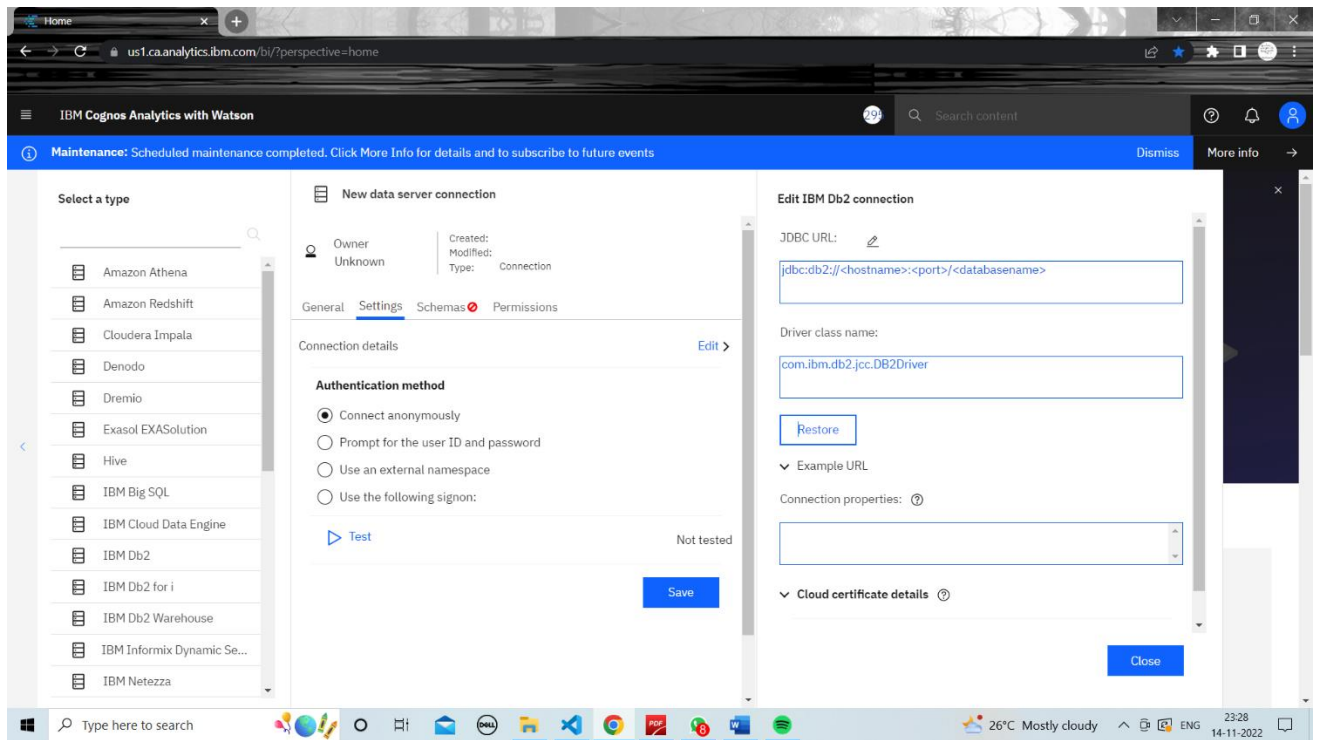
Activating Db2 Service credentials in IBM cloud:

The screenshot shows the IBM Db2 on Cloud console. The 'Tables' tab is selected, displaying a list of tables. The 'HEARTDISEASE' table is highlighted, and its definition is shown on the right. The table has the following columns:

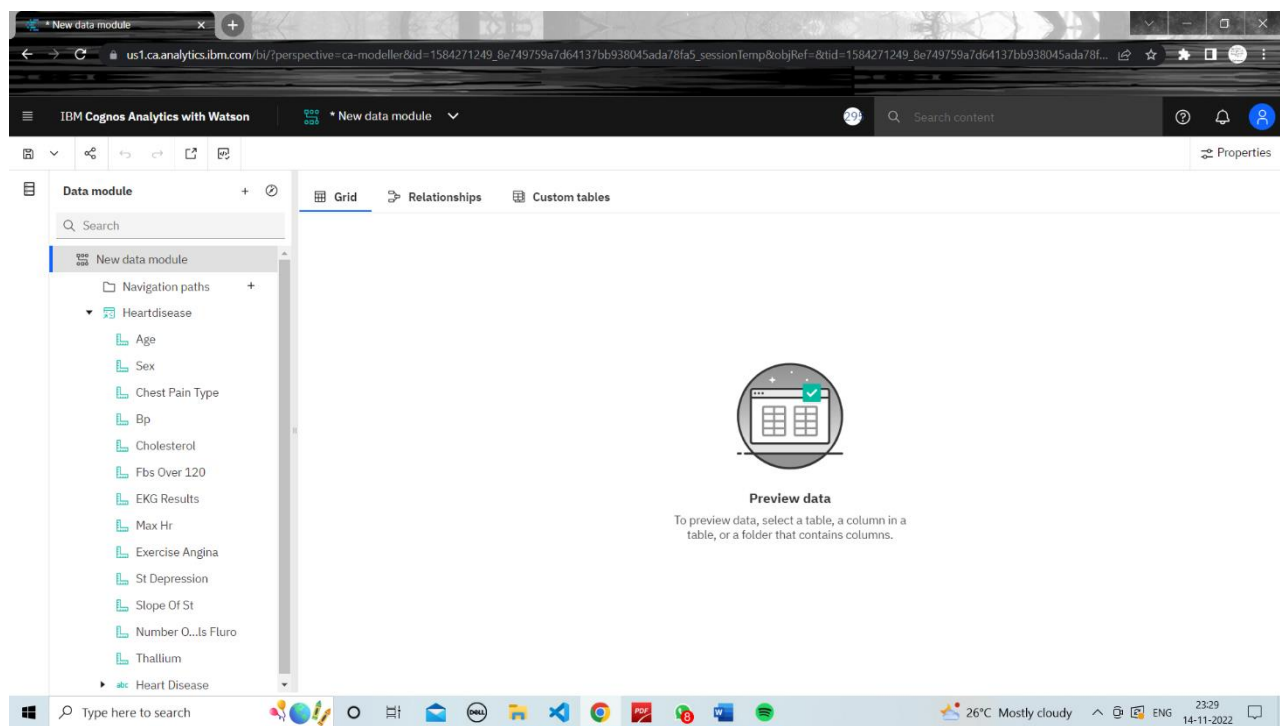
Name	Data type	Nullable	Length	Scale
AGE	SMALLINT	Y		0
SEX	SMALLINT	Y		0
CHEST_PAIN_TYPE	SMALLINT	Y		0
BP	SMALLINT	Y		0
CHOLESTEROL	SMALLINT	Y		0
FBS_OVER_120	SMALLINT	Y		0

The table definition also indicates that the table has approximately 270 rows and was updated on 2022-11-10 07:01:34. A 'View data' button is visible at the bottom of the table definition panel.

Connecting IBM Db2 Service to IBM Cognos Analytics Tool:



Preparation of Data Module:



Exploration of Data Module:

