

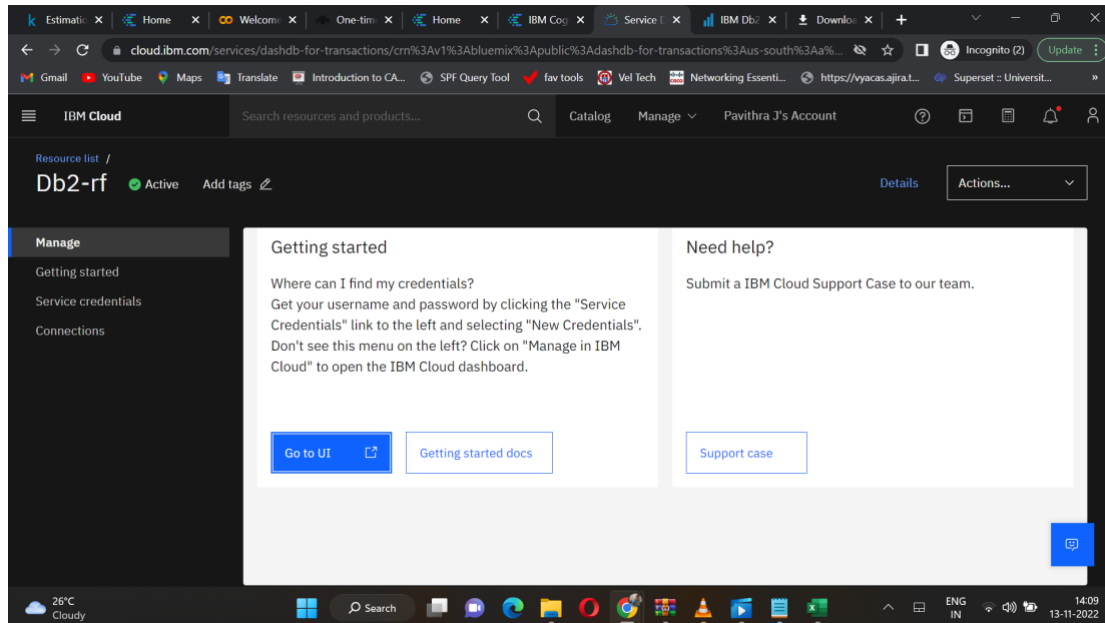
# ESTIMATE THE CROP YIELD USING DATA ANALYTICS

PNT2022TMID20578

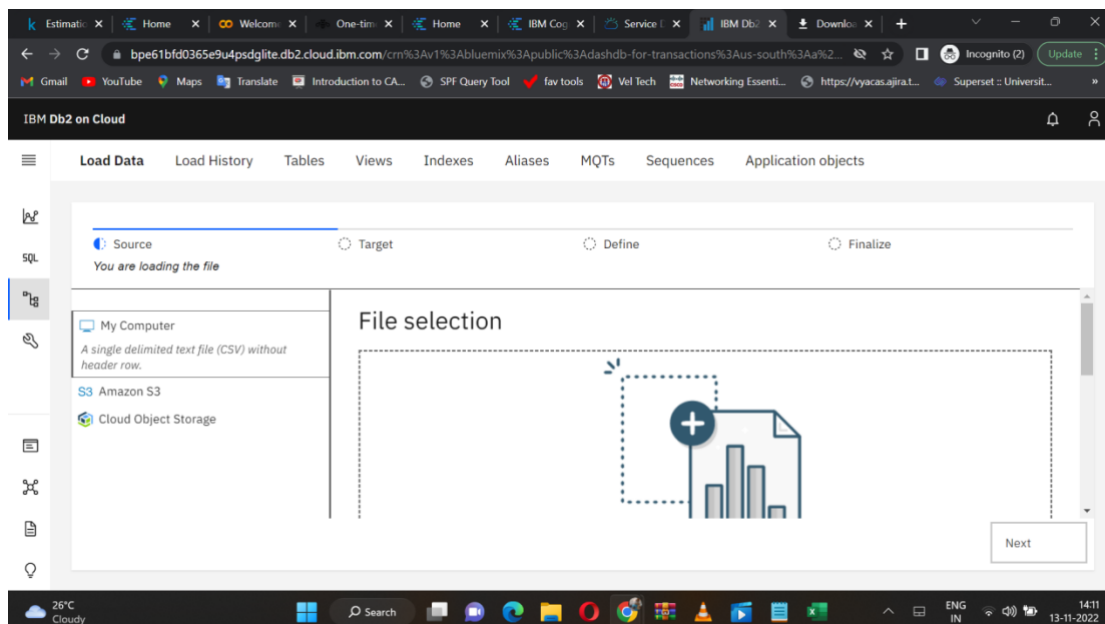
## SPRINT 1

### STORING DATA INTO DATABASE

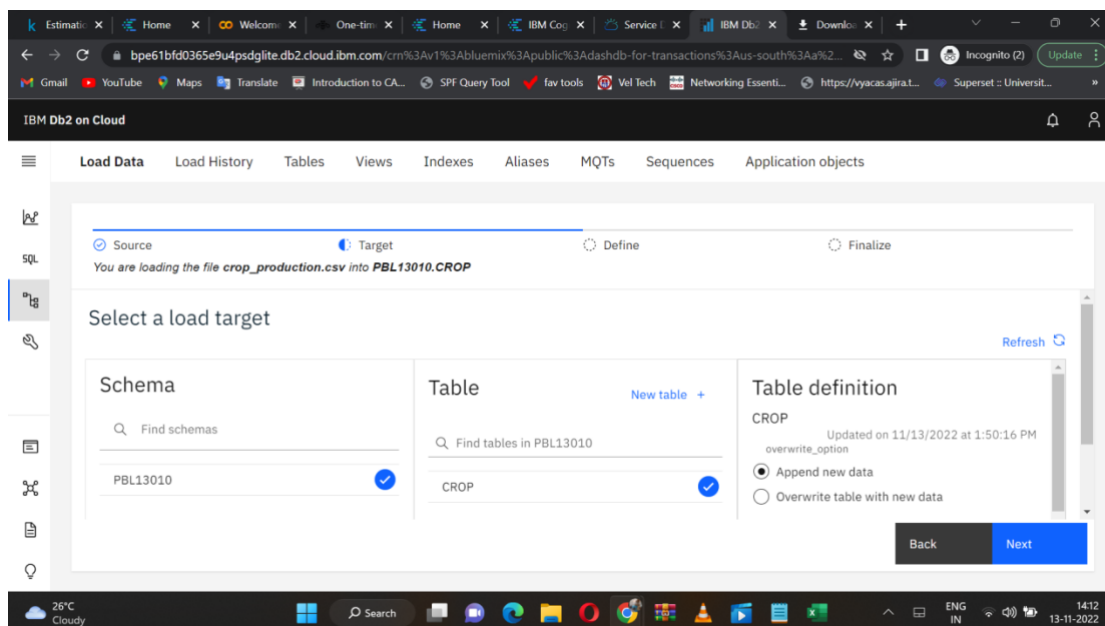
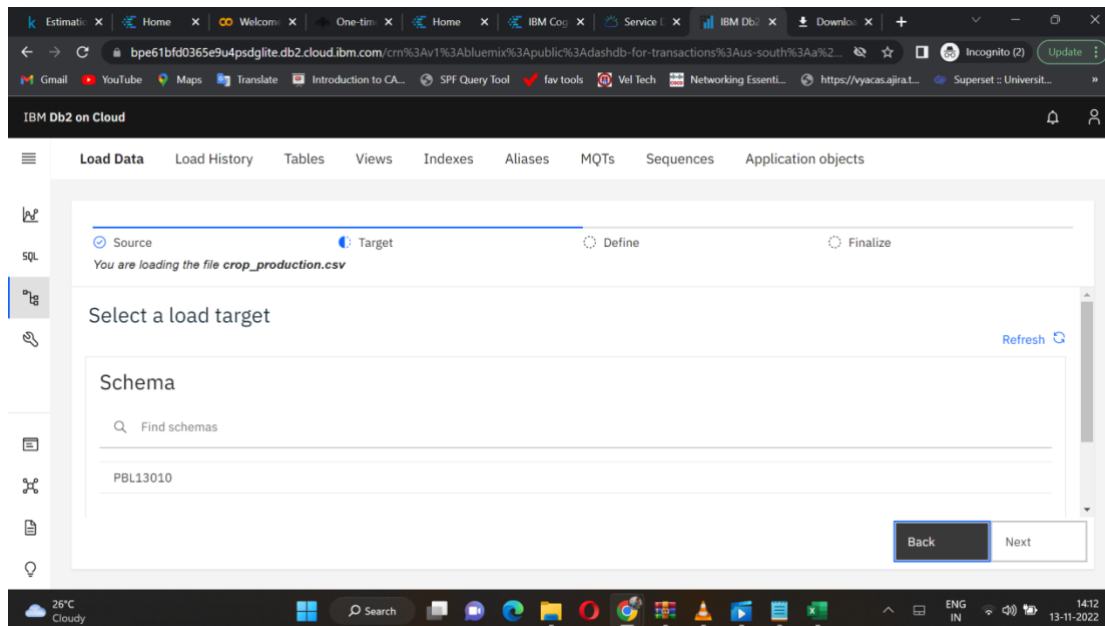
Go to UI on Cloud IBM DB2



Uploading the data on cloud



## Selecting schema and creating table



## Loading the file

The screenshot shows the IBM Db2 Cloud console interface. The top navigation bar includes tabs for Load Data, Load History, Tables, Views, Indexes, Aliases, MQTs, Sequences, and Application objects. The main content area is titled 'You are loading the file **crop\_production.csv** into **PBL13010.CROP**'. Below this, there are settings for 'Code page (character encoding): 1208 (UTF-8)', 'Separator: ,', 'Header in first row: ☒', and 'Time & date format:'. A table preview shows the following data:

	STATE_NAME VARCHAR	DISTRICT_NAME VARCHAR	CROP_YEAR SMALLINT	SEASON VARCHAR	
1	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	A
2	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	C
3	Andaman and Nicobar Islands	NICOBARS	2000	Kharif	R
4	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	B
5	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	C
6	Andaman and Nicobar Islands	NICOBARS	2000	Whole Year	C

At the bottom right of the table preview, there are 'Back' and 'Next' buttons. The bottom status bar shows the system clock as 14:12 on 13-11-2022.

The screenshot shows the IBM Db2 Cloud console interface, now at the 'Finalize' step. The main content area is titled 'Review settings' and contains two sections: 'Summary' and 'Option'. The 'Summary' section lists the following settings:

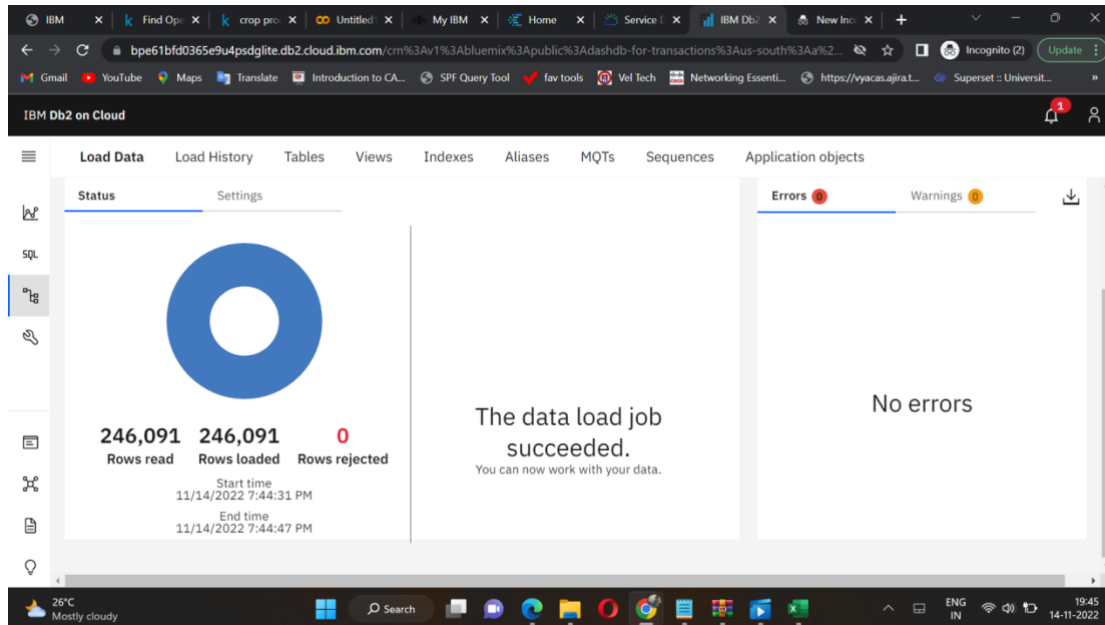
- Code page: 1208 (Default)
- Separator: , (Default)
- Time format: HH:MM:SS (Default)
- Date format: YYYY-MM-DD (Default)

The 'Option' section lists the following setting:

- Maximum number of warnings: 1000

At the bottom right of the review settings, there are 'Back' and 'Begin Load' buttons. The bottom status bar shows the system clock as 14:12 on 13-11-2022.

Loading the data in IBM DB2 On Cloud and ensuring there is no error after the dataset is loaded



The data visualization charts are performed in data module after the data load job gets successfully completed.