

Project Development Phase

SPRINT 2

Team ID	PNT2022TMID13577
Project Name	Project – Corporate Employee Attrition Analytics

1. Cloud db2 connection:

The screenshot shows the IBM Cloud console for creating a new Db2 service. The 'Create' tab is selected, and the 'About' sub-tab is active. The 'Select a location' dropdown is set to 'Dallas (us-south)'. The 'Select a pricing plan' section shows the 'Lite' plan, which is free. The 'Summary' panel on the right displays the service details: Db2, Location: Dallas, Plan: Lite, Service name: Db2-0r, and Resource group: Default. A 'Create' button is visible at the bottom of the summary panel.

Plan	Features	Pricing
Lite	200 MB of data storage 5 simultaneous connections Shared multitenant system	Free

2. Create Db2 access:

The screenshot shows the IBM Cloud 'Resource list' page. The 'Databases' category is expanded, showing a single resource named 'Db2-bm'. The resource is in the 'Default' group, located in 'Dallas', and is 'Active'. The 'Create resource' button is visible in the top right corner.

Name	Group	Location	Product	Status	Tags
Db2-bm	Default	Dallas	Db2	Active	

3. Load dataset by using kaggle to upload dataset in dashboard (kaggle) to get API:

The screenshot shows the Kaggle dashboard interface. On the left is a sidebar with navigation options: Home, Competitions, Datasets, Code, Discussions, Learn, and More. Below these are 'Your Work' and 'RECENTLY VIEWED' sections. The main area displays the 'IBMproject' workspace. At the top, there's a search bar and tabs for Data, Code (0), Discussion (0), and Settings. A 'Download (123 kB)' button is visible. The dataset 'employee_survey_data.csv' (51.96 kB) is shown in 'Detail' view. Below the dataset name, there's a section 'About this file' with a description: 'This file does not have a description yet.' A table preview shows columns: EmployeeID, EnvironmentSatis..., JobSatisfaction, and WorkLifeBalance. The table has 4 rows of data. On the right, the 'Data Explorer' shows the dataset version (1) and a list of files: employee_survey_data.csv, general_data.csv, and manager_survey_data.csv.

EmployeeID	EnvironmentSatis...	JobSatisfaction	WorkLifeBalance
3	31%	4	31%
4	30%	3	30%
Other (1726)	39%	Other (1720)	39%
Other (731)			17%

4. Once upload Get API :

This screenshot is similar to the previous one, but with a dropdown menu open on the right side of the dataset card. The menu options are: New version, New notebook, Bookmark, Copy API command (highlighted), and Delete dataset. The dataset card also shows the 'Download (123 kB)' button and the 'Data Explorer' section.

EmployeeID	EnvironmentSatis...	JobSatisfaction	WorkLifeBalance
3	31%	4	31%
4	30%	3	30%
Other (1726)	39%	Other (1720)	39%
Other (731)			17%

5. By google colab to get csv

```
In [1]: !pip install -q kaggle

In [ ]: !mkdir ~/.kaggle

In [ ]: !cp kaggle.json ~/.kaggle/

In [ ]: !kaggle datasets download -d rakeshshekhawat23/ibmproject

Warning: Your Kaggle API key is readable by other users on this system! To fix this, you can run 'chmod 600 /root/.kaggle/kaggle.json'
Downloading ibmproject.zip to /content
 0% 0.00/120k [00:00, ?B/s]
100% 120k/120k [00:00<00:00, 50.5MB/s]

In [ ]: !unzip /content/ibmproject.zip

Archive: /content/ibmproject.zip
  inflating: employee_survey_data.csv
  inflating: general_data.csv
  inflating: manager_survey_data.csv

In [ ]:
```

6. Unzip the dataset and upload it in IBM DB2(FINALLY)

The screenshot shows the IBM Db2 on Cloud console interface. The top navigation bar includes 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The main content area displays the 'ZJF60400.MANAGERSURVEY' table. A table with 11 rows and 3 columns is shown, with headers 'EMPLOYEEID SMALLINT', 'JOBINVOLVEMENT SMALLINT', and 'PERFORMANCERATING SMALLINT'. An 'Export to CSV' button is visible in the top right corner of the table view. The bottom of the screen shows a Windows taskbar with various application icons and a system tray indicating the time as 6:23 AM on 19-Nov-22.

	EMPLOYEEID SMALLINT	JOBINVOLVEMENT SMALLINT	PERFORMANCERATING SMALLINT
1	1	3	3
2	2	2	4
3	3	3	3
4	4	2	3
5	5	3	3
6	6	3	3
7	7	3	4
8	8	3	4
9	9	3	4
10	10	3	3
11	11	2	3