### APACHE BEAM ASSIGNMENT

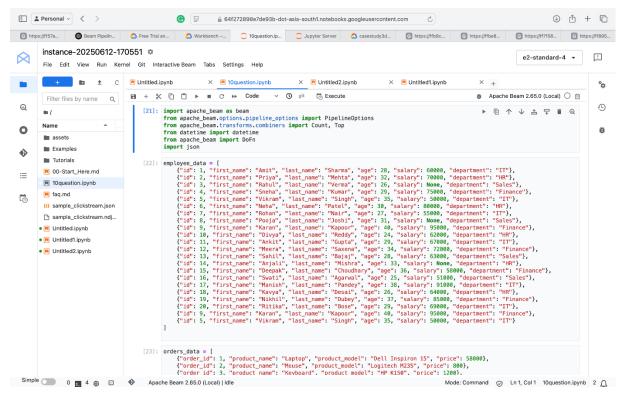
Name: Jebastin P Emp ID: 2401171

### **Questions:**

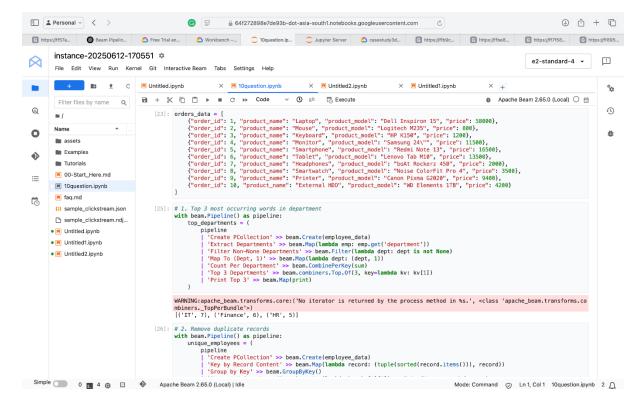
- 1. Write an Apache Beam pipeline to find the top 3 most occurring words in a given dataset.
- 2. Given a PCollection of records, write an Apache Beam pipeline to remove duplicate entries.
- 3. How do you perform word count using Apache Beam?
- 4. Write an Apache Beam pipeline to group records by a specific field and calculate the average value for each group.
- 5. How do you handle missing or null values in an Apache Beam pipeline?
- 6. Write an Apache Beam pipeline to count distinct values in a specific field of a dataset.
- 7. Given a PCollection of records, write an Apache Beam pipeline to filter records where the salary is greater than 50,000.
- 8. Write an Apache Beam pipeline to read a JSON file and convert it into a PCollection of structured records.
- 9. Write an Apache Beam pipeline to find the second highest salary from an employee dataset.
- 10. Write an Apache Beam pipeline to join two PCollections and select specific fields from the result.

#### **Solutions:**

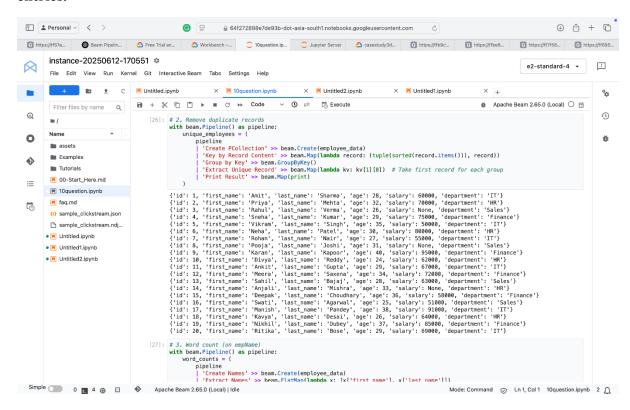
### **Creating the dataset:**



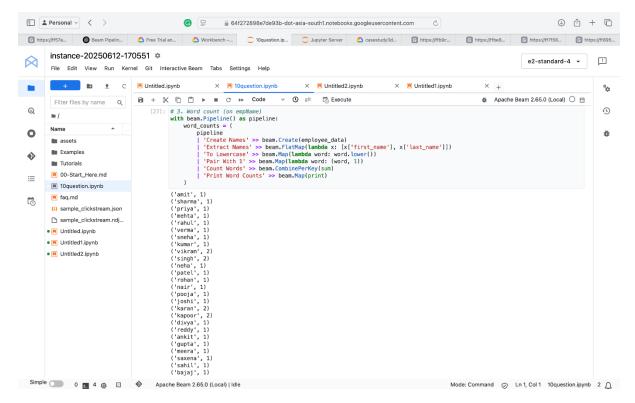
## Write an Apache Beam pipeline to find the top 3 most occurring words in a given dataset.



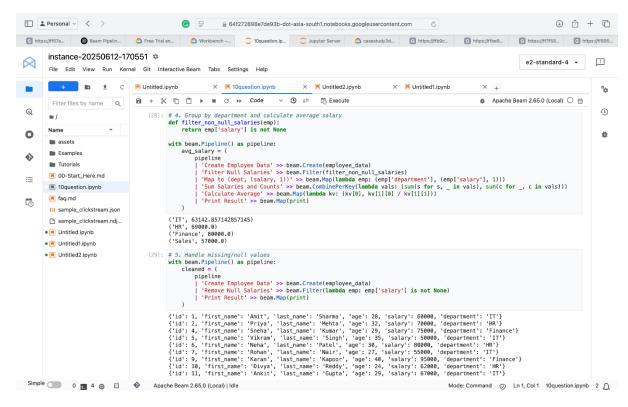
## Given a PCollection of records, write an Apache Beam pipeline to remove duplicate entries.



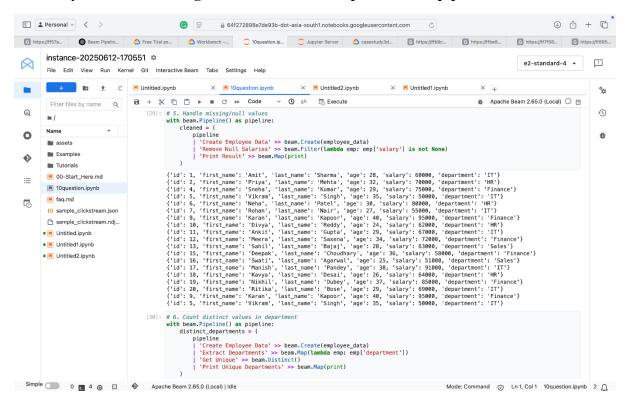
### How do you perform word count using Apache Beam?



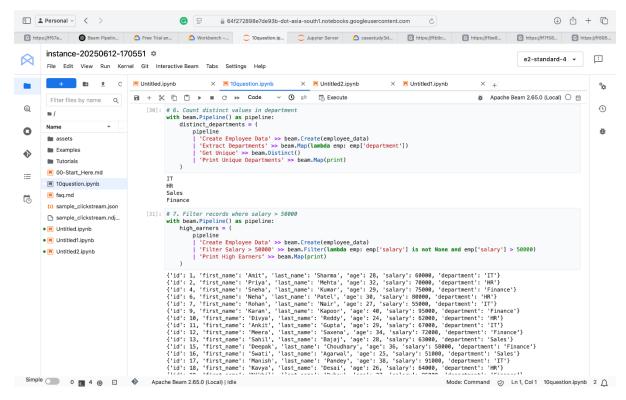
## Write an Apache Beam pipeline to group records by a specific field and calculate the average value for each group.



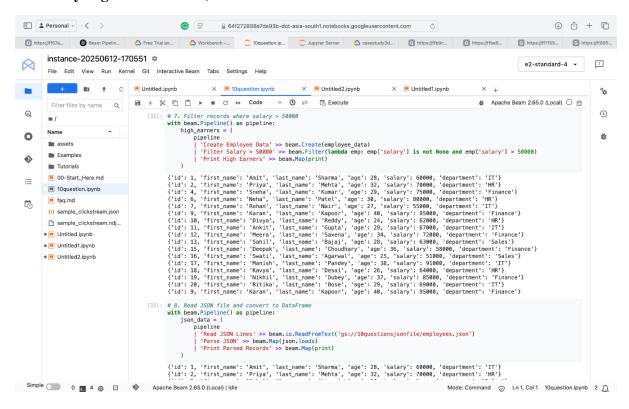
### How do you handle missing or null values in an Apache Beam pipeline?



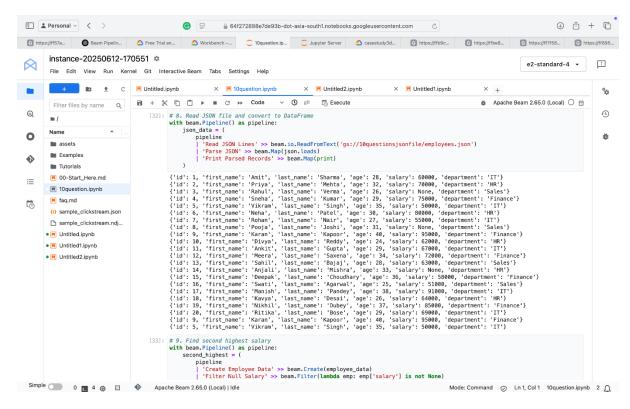
### Write an Apache Beam pipeline to count distinct values in a specific field of a dataset.



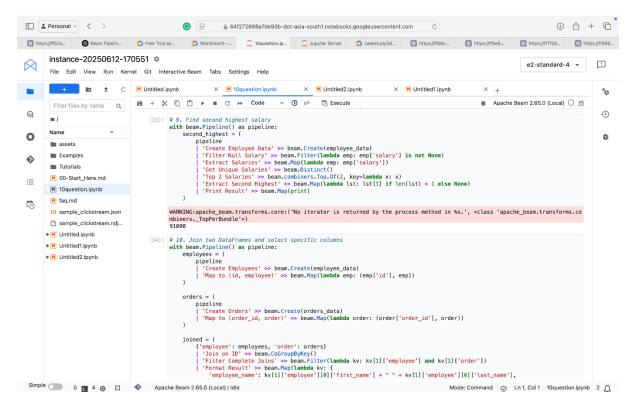
# Given a PCollection of records, write an Apache Beam pipeline to filter records where the salary is greater than 50,000.



## Write an Apache Beam pipeline to read a JSON file and convert it into a PCollection of structured records.



## Write an Apache Beam pipeline to find the second highest salary from an employee dataset.



## Write an Apache Beam pipeline to join two PCollections and select specific fields from the result.

