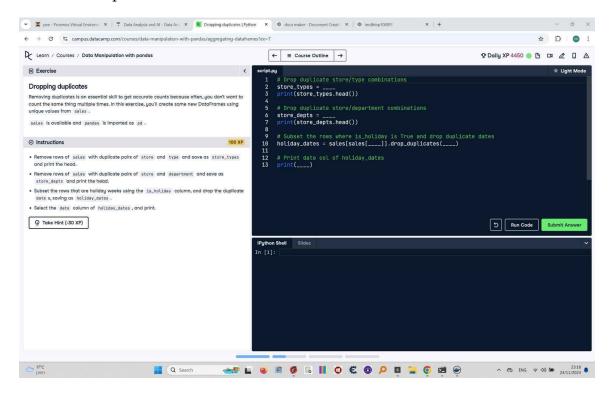
# **Dropping Duplicates (Updated Solution)**

This document includes the question, the updated solution, and a breakdown of the code provided in the screenshot.

## **Uploaded Screenshot**

Below is the updated screenshot of the task:



#### **Question**

- 1. Remove rows of `sales` with duplicate pairs of `store` and `type` and save as `store\_types`, then print the head.
- 2. Remove rows of `sales` with duplicate pairs of `store` and `department` and save as `store depts`, then print the head.
- 3. Subset the rows that are holiday weeks using the `is\_holiday` column and drop duplicate `date`s, saving as `holiday dates`.
- 4. Select the `date` column of `holiday\_dates` and print.

# **Updated Answer**

# Drop duplicate store/type combinations
store\_types = sales.drop\_duplicates(subset=['store', 'type'])
print(store types.head())

# Drop duplicate store/department combinations
store depts = sales.drop duplicates(subset=['store', 'department'])

print(store depts.head())

- # Subset rows where is\_holiday is True and drop duplicate dates holiday dates = sales[sales['is holiday']].drop duplicates(subset='date')
- # Print date column of holiday\_dates
  print(holiday dates['date'])

### **Code Explanation**

# Explanation of the code:

- 1. `sales.drop\_duplicates(subset=['store', 'type'])`: Removes duplicate rows based on the combination of `store` and `type` columns.
- 2. `sales.drop\_duplicates(subset=['store', 'department'])`: Removes duplicate rows based on the combination of `store` and `department` columns.
- 3. `sales[sales['is\_holiday']]`: Filters the rows where the `is\_holiday` column is `True`.
- 4. `.drop\_duplicates(subset='date')`: Removes duplicate rows based on the `date` column within the filtered DataFrame.
- 5. `holiday\_dates['date']`: Selects the `date` column from the `holiday dates` DataFrame.