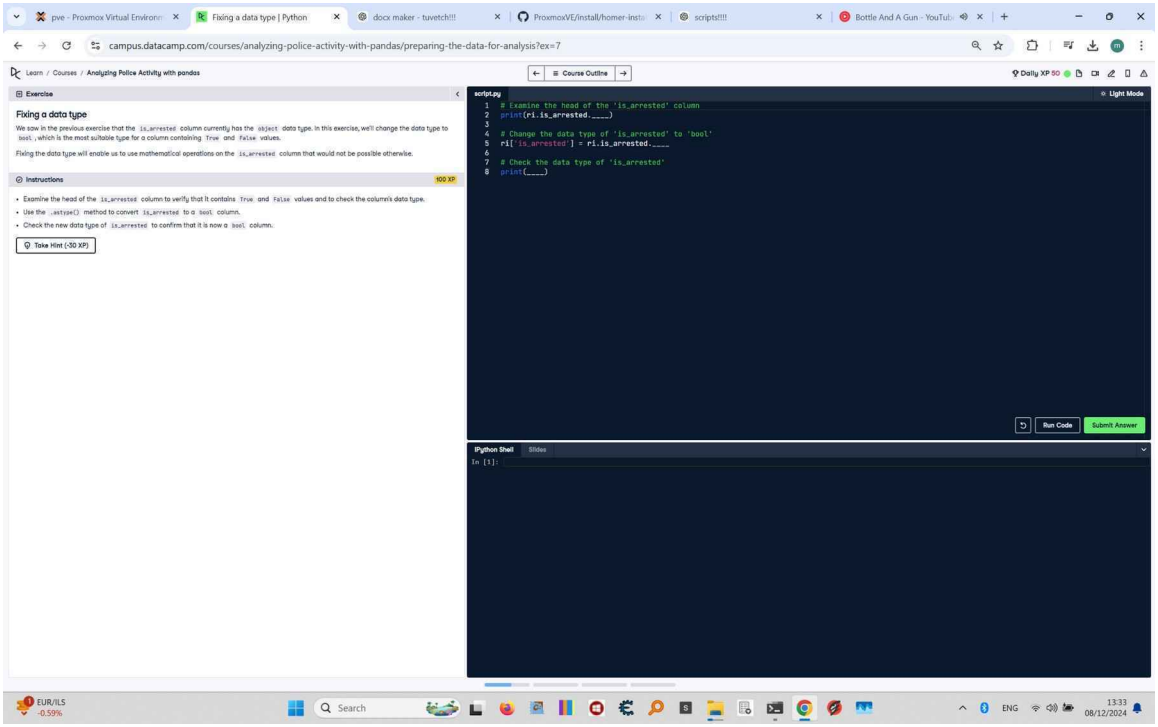
Fixing a Data Type



Task Description

1. Examine the head of the 'is_arrested' column to verify that it contains True and False values and to check the column's data type.
2. Use the astype() method to convert 'is_arrested' to a boolean ('bool') column.
3. Check the new data type of 'is_arrested' to confirm that it is now a 'bool' column.

Code Solution

```
# Examine the head of the 'is_arrested' column
print(ri['is_arrested'].head())

# Change the data type of 'is_arrested' to 'bool'
ri['is_arrested'] = ri['is_arrested'].astype('bool')

# Check the data type of 'is_arrested'
print(ri['is_arrested'].dtype)
```

Code Explanation

1. The line 'print(ri['is_arrested'].head())' displays the first five entries of the 'is_arrested' column. This helps confirm that it contains True and False values and allows verification of its current data type.

2. The line 'ri['is_arrested'] = ri['is_arrested'].astype('bool')' converts the 'is_arrested' column to the boolean data type. This change allows efficient storage and processing of the binary True/False values.
3. The line 'print(ri['is_arrested'].dtype)' prints the new data type of the 'is_arrested' column, verifying that the conversion was successful.