Data Engineering Batch 1

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Joins Using Pandas

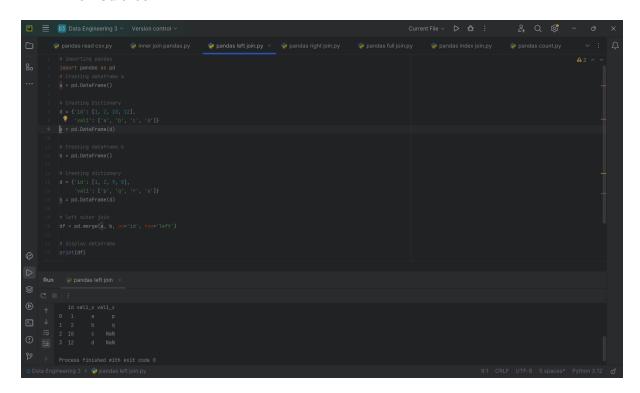
The Pandas module contains various features to perform various operations on Dataframes like join, concatenate, delete, add, etc. In this article, we are going to discuss the various types of join operations that can be performed on Pandas Dataframe. There are five types of Joins in Pandas.

- Inner Join
- Left Outer Join
- Right Outer Join
- Full Outer Join or simply Outer Join
- Index Join

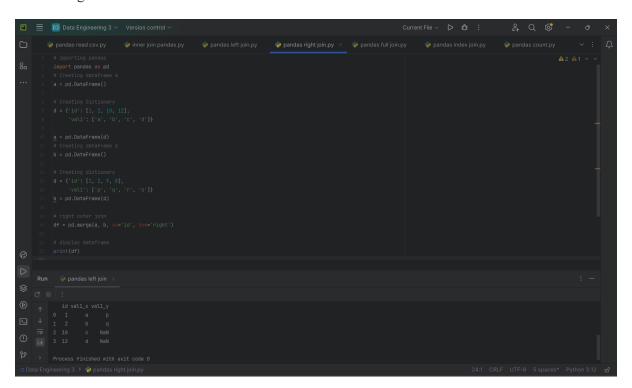
Inner Join

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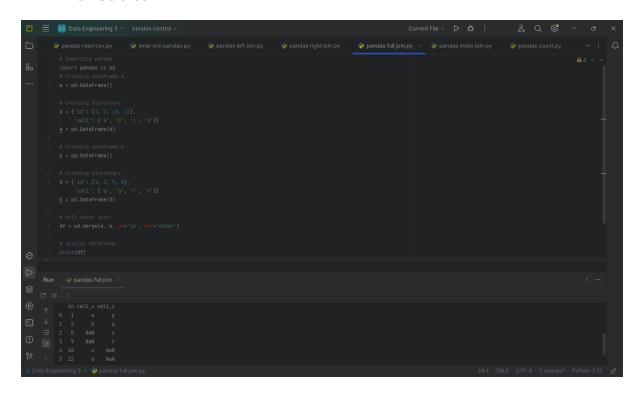
❖ Left Outer Join



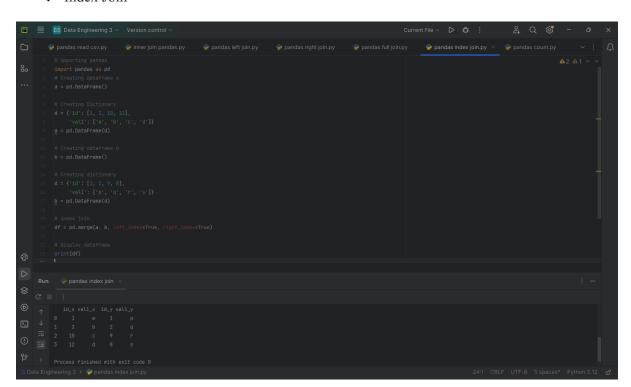
* Right Outer Join



Full Outer Join



Index Join



♣ Count Values in Pandas Dataframe

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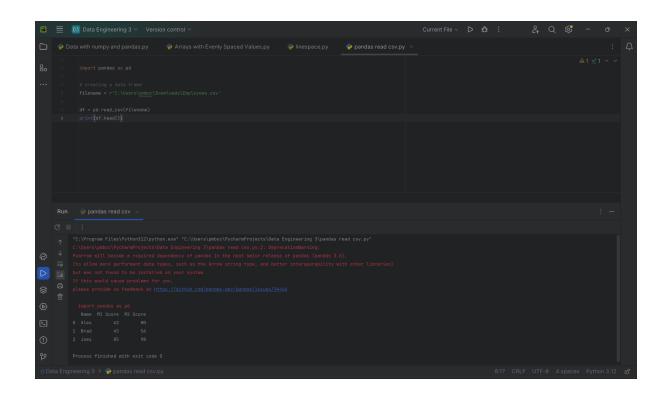
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Data Engineering 4 > Pandas country

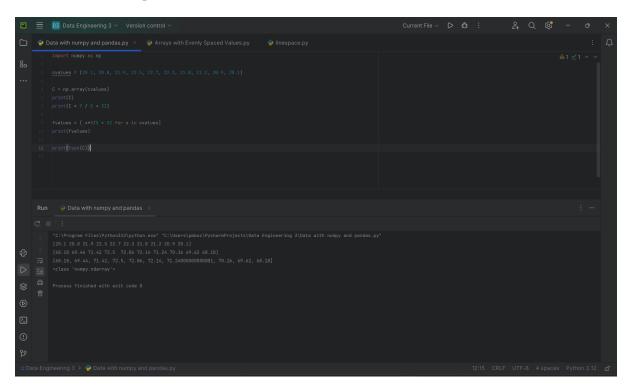
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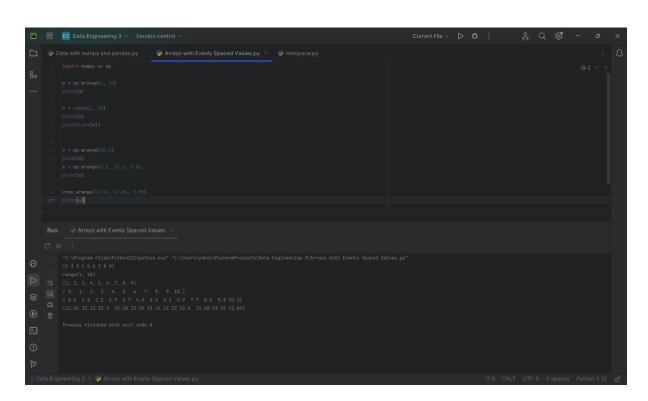
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Result



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Result