**Assignment 10**

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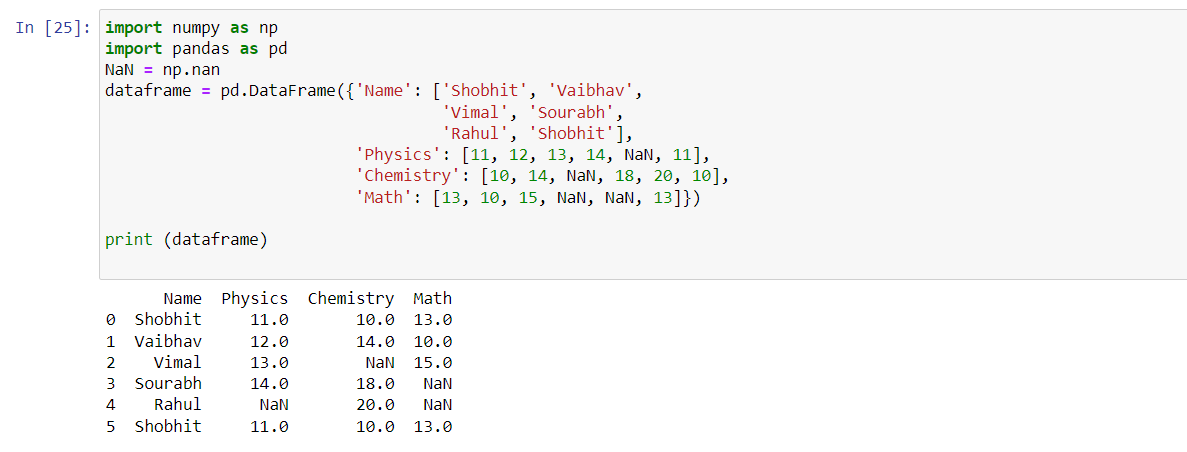
Mail: [jeevansai100@gmail.com](mailto:jeevansai100@gmail.com)

Date: 01-02-2024

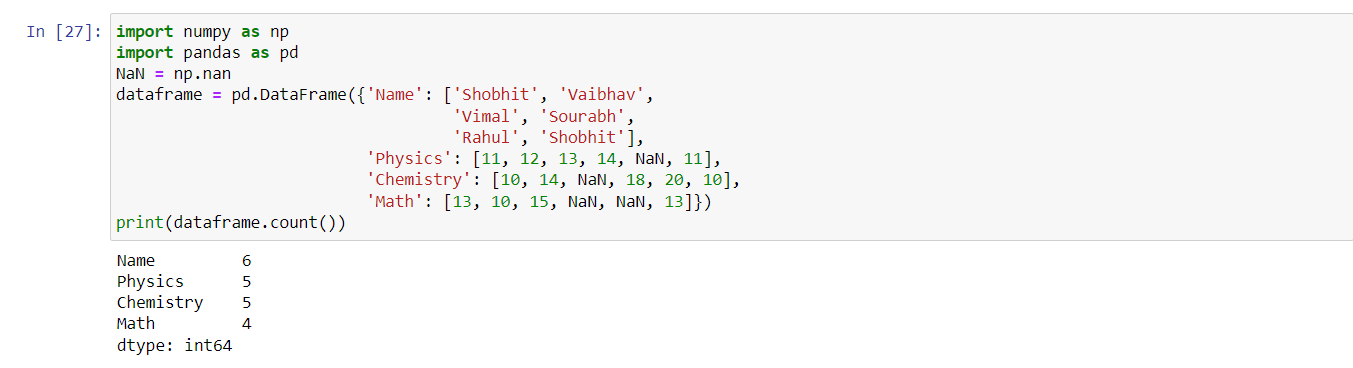
Topic:Pandas

**Pandas for Data Processing:**

**Data Framing:**

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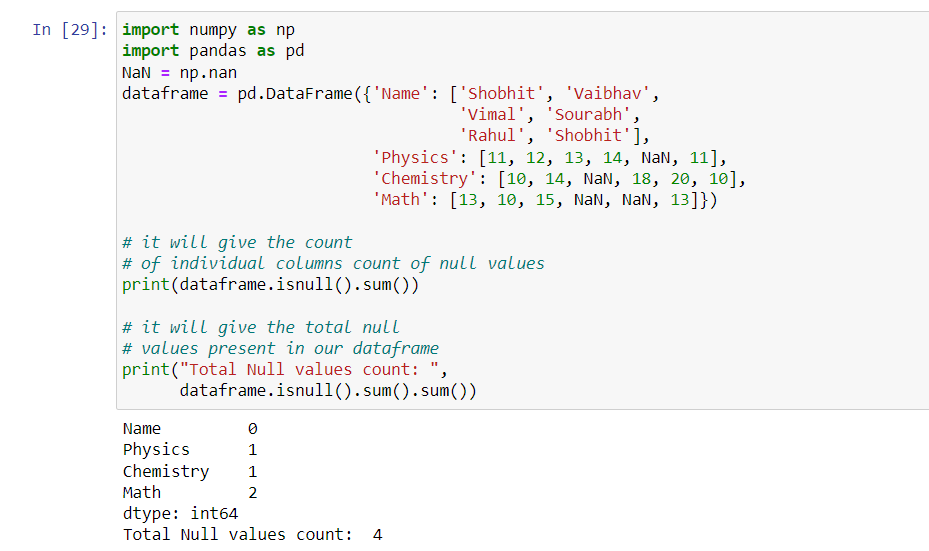
**Using count() function:**

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**axis='columns' to count with respect to row:**

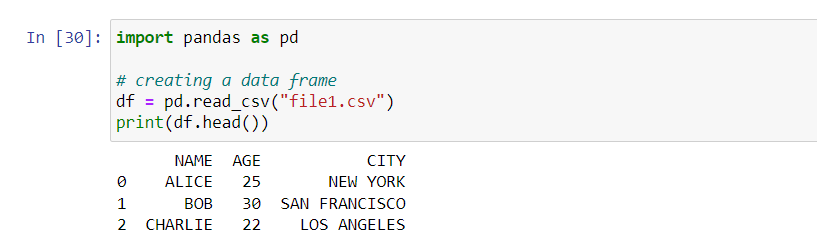
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**Now if we want to count null values in our dataframe.**

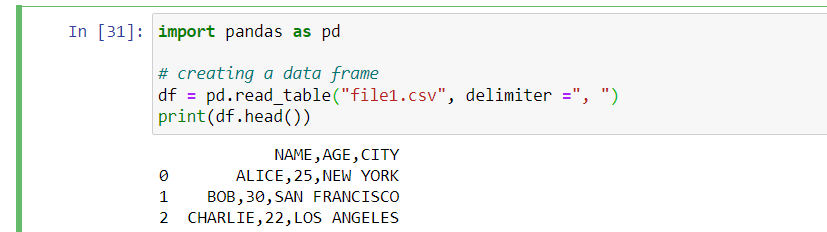
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**Reading CSV Data using Pandas**

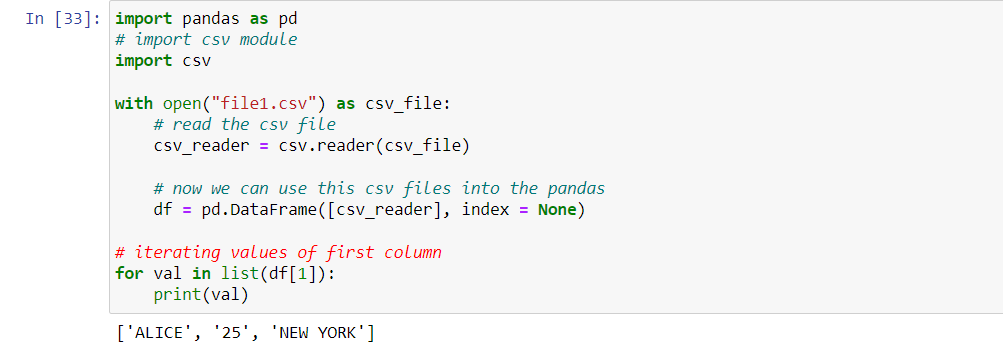
* **Using pd.read\_csv**

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* **Using pd.read\_table**

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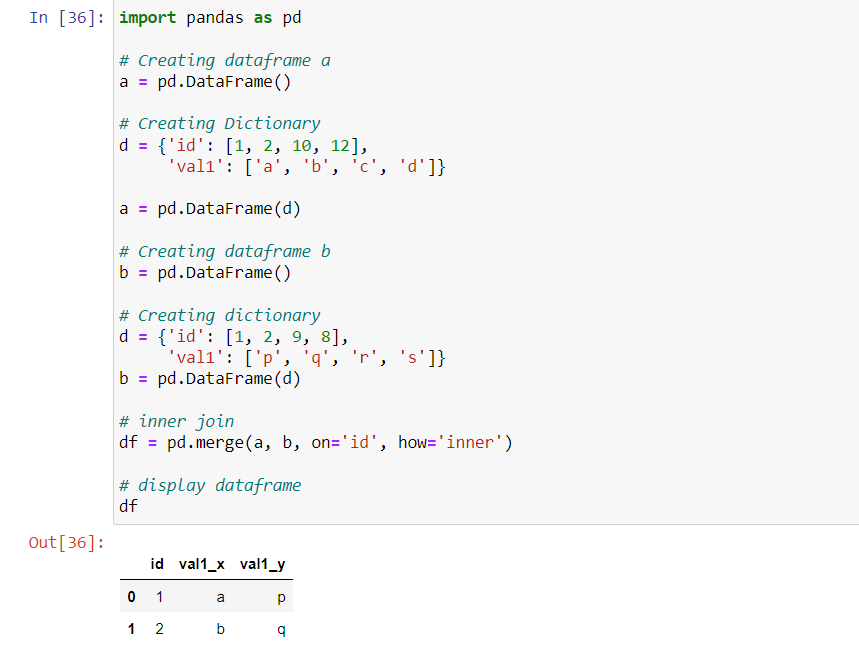
* **Using the csv module**

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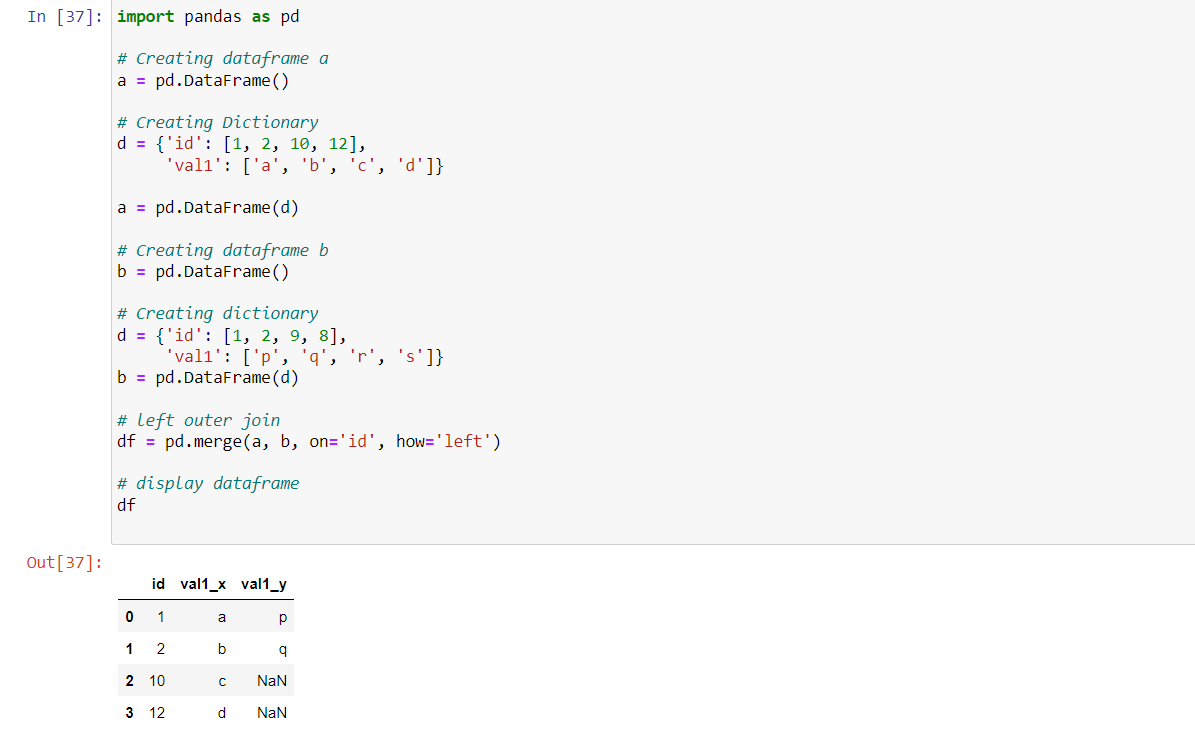
**JOINS**

**Inner join:**

* For this purpose we create two dataframes data frame a and data frame b and we perform inner joins

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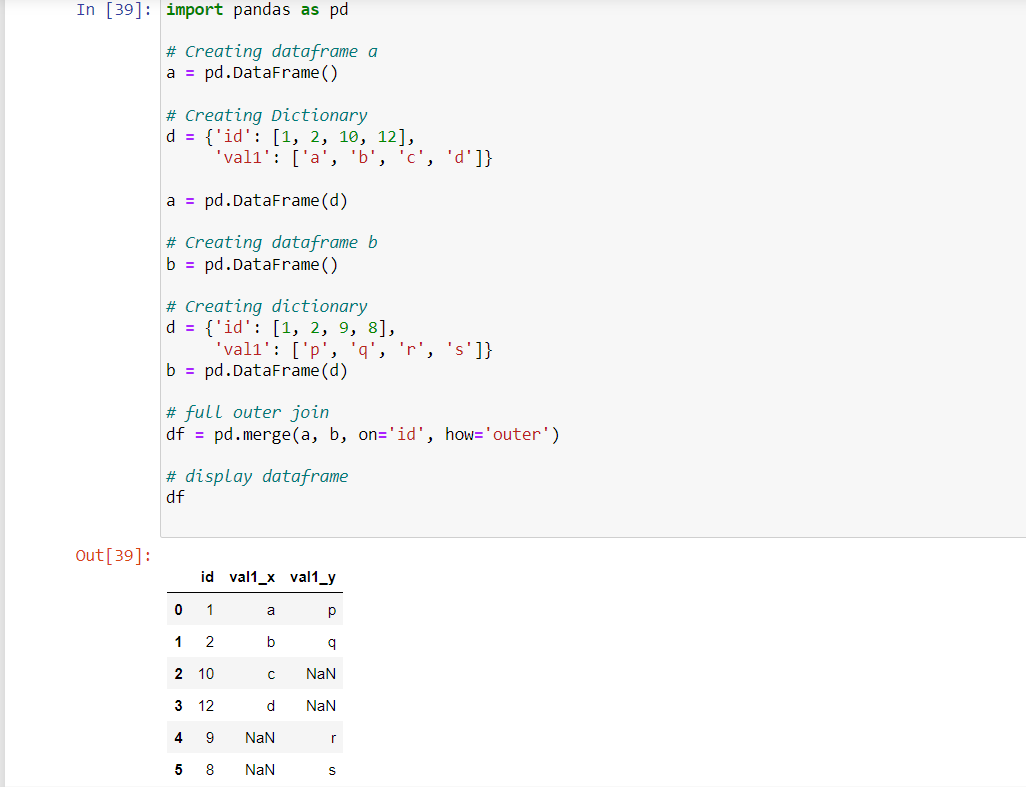
**Left join:**

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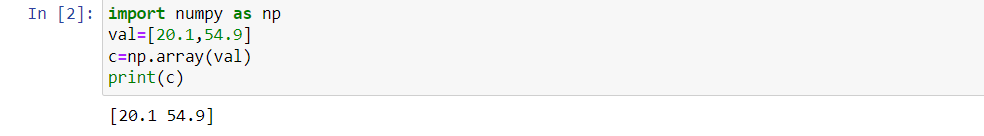
**Right join:**

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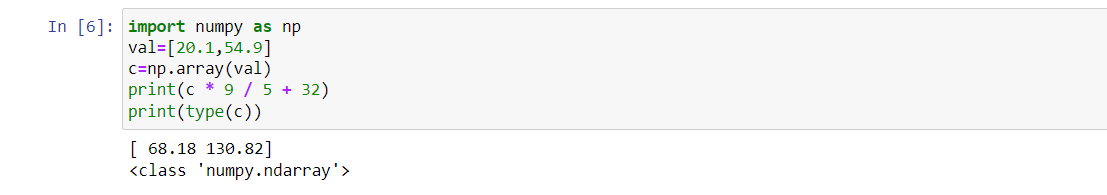
**Pandas Full Outer Join:**

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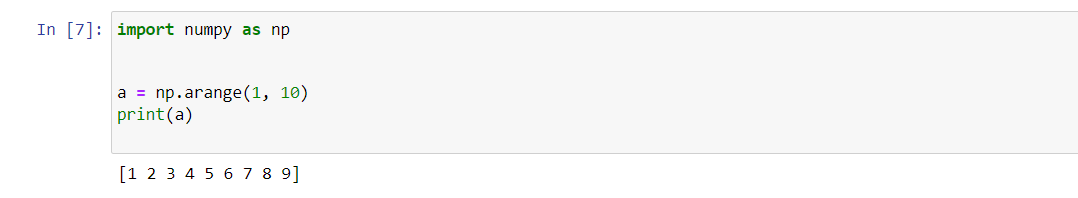
**Creating numpy arrays:**

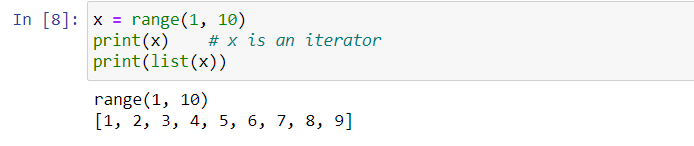
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**Performing operations**

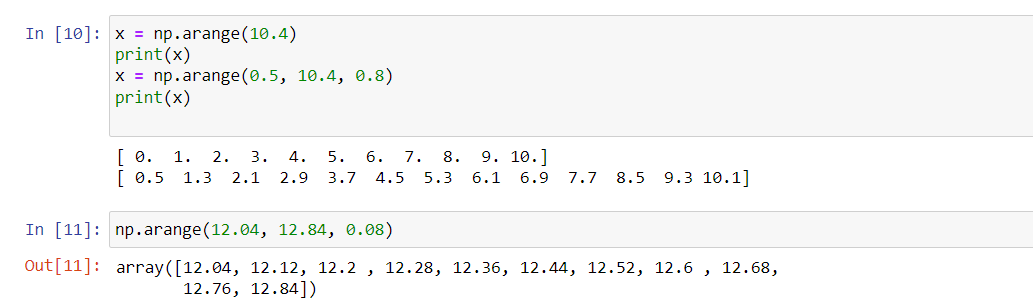
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**Using range function**

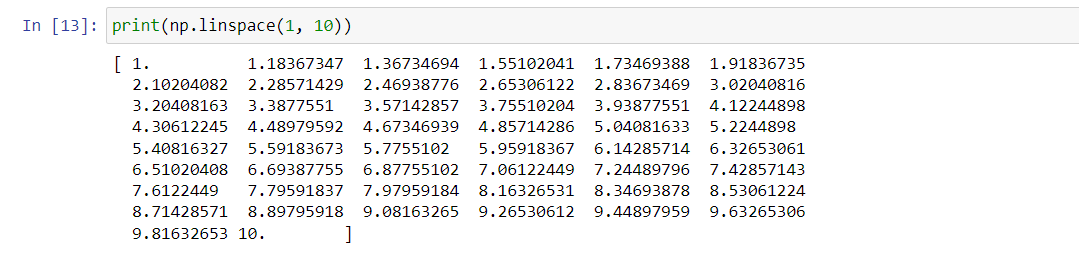
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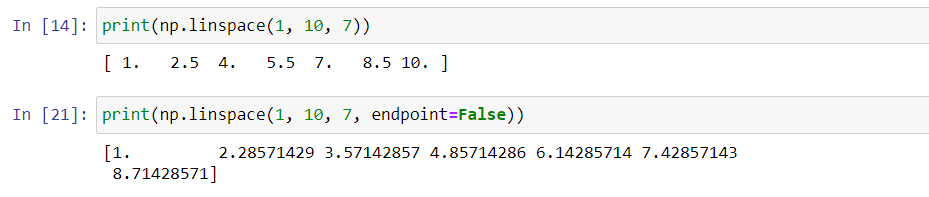
**Range using start,stop and step**

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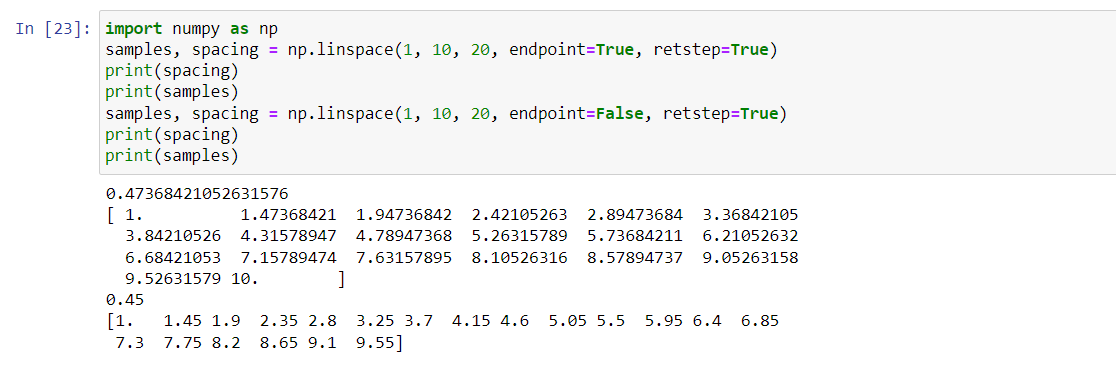
**Using linspace**

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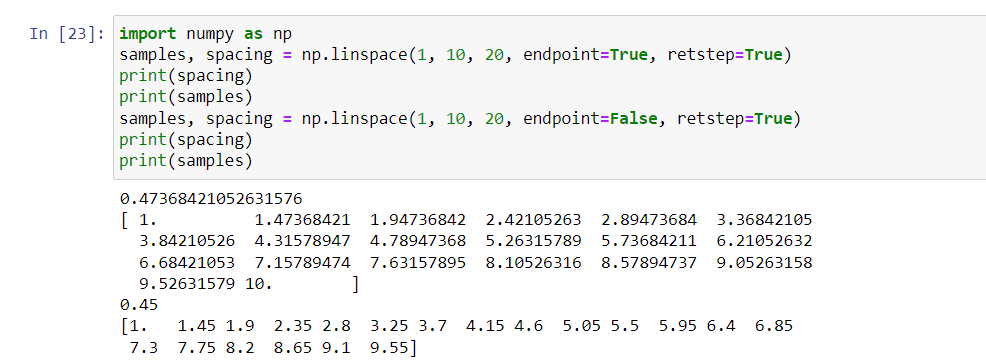
**Using linspace with range and endpoint**

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**Using linspace with retstep:**

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**Using samples and spacing**

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