Difference between the rows and the columns in the dataset we are dealing with in the python?

Rows:

- Horizontal arrangements of data.
- Each row represents a single entity or observation within the dataset.
- Can contain different data types (numbers, text, dates, etc.).

Example: In a dataset of customers, each row might represent a specific customer, with their name, email, address, and purchase history.

Columns:

- Vertical arrangements of data.
- Each column represents a specific feature or attribute of the entities in the dataset.
- Usually contain the same data type within a column.

Example: In the customer dataset, columns could be "Name", "Email", "Address", "Purchase Date", "Product Name", and "Price".

Key Differences:

- Orientation: Rows go horizontally, columns go vertically.
- Representation: Rows represent individual entities, columns represent features.
- Data Types: Rows can have mixed types; columns usually have a single type.

Example in Python using Pandas:

Select a column (named "Age"):

column = df['Age']

print(column) # Output: 0 25

1 30

2 35
