

# import numpy as np

- 1] np.array(): Turns a regular list or tuple into a NumPy array.
- 2] np.arange(): Makes an array with evenly spaced numbers within a range.
- 3] np.zeros(): Creates an array filled entirely with zeros.
- 4] np.ones(): Generates an array filled entirely with ones.
- 5] np.linspace(): Produces evenly spaced numbers over a specified range.
- 6] np.reshape(): Changes the shape of an array into a new shape.
- 7] np.random.rand(): Gives an array of random numbers from a uniform distribution.
- 8] np.sum(): Adds up all the elements in an array.
- 9] np.mean(): Calculates the average value of the elements in an array.
- 10] np.argmax(): Finds the index of the maximum value in an array.
- 11] np.argmin(): Finds the index of the minimum value in an array.
- 12] np.max(): Finds the largest value in an array.
- 13] np.min(): Finds the smallest value in an array.
- 14] np.dot(): Computes the dot product of two arrays.
- 15] np.transpose(): Changes the rows and columns of an array.
- 16] np.concatenate(): Combines arrays along a specific axis.
- 17] np.vstack(): Stacks arrays vertically, one on top of the other.
- 18] np.hstack(): Stacks arrays horizontally, side by side.
- 19] np.split(): Divides an array into several smaller arrays.
- 20] np.unique(): Identifies the unique elements within an array.

# import pandas as pd

- 1] df.info(): Displays information about the DataFrame, such as column names and data types.
- 2] df.describe(): Provides statistical summary of the DataFrame's numerical columns.
- 3] df.head(): Shows the first few rows of the DataFrame.
- 4] df.apply(): Applies a function to each column or row of the DataFrame.
- 5] df.groupby(): Groups the DataFrame by a specified column and applies aggregation functions.
- 6] df.sort\_values(): Sorts the DataFrame based on specified column(s).
- 7] df.sample(): Randomly samples rows from the DataFrame.
- 8] d.read\_filetype(filename): Reads data from a file of a specified type into a DataFrame.
- 9] df.to\_filetype(filename): Writes DataFrame to a file of a specified type.
- 10] df.plot(): Generates plots from the DataFrame data.
- 11] pd.to\_datetime(): Converts an object column to a datetime column.
- 12] df.filter(): Filters the DataFrame based on specified conditions or column names.
- 13] df.drop(): Removes rows or columns from the DataFrame.

14] `df.rank()`: Assigns ranks to data elements in a column.

15] `df1.append(df2)`: Appends rows from one DataFrame to another.

16] `pd.isnull()`: Checks for null values in the DataFrame.

In [ ]: