



Array and Matrix

Array- An array is a special variable that can hold more than one values at a time. Both the list and array look similar but one major difference is that an array is optimized for arithmetic computations.

Syntax - `arr = np.array([1,2,3])`

Matrix-A Matrix is a 2-Dimentional array. It has both rows and columns. The horizontal arrangement of data are rows and the vertical arrangement of data are columns.

Syntax - `mat = np.array([1,2,3,1],[4,5,6,4],[7,8,9,7])`

The above code will create a matrix (mat) with 3 rows and 4 columns

|1,2,3,1|

|4,5,6,4|

|7,8,9,7|

Note: Several new functions are being covered in the videos of Week-2. We would recommend you to practice these functions at the end of each video. This will help you to strengthen your foundation in Python language.

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