Numpy

Numpy - Numerical python used in tensorflow, scikit learn all kind of library helps to create arrays, matrices

it has only one data structure array

nd array - n dimensional array

they are executed with C++ in background and it is faster than list from python

datatypes in numpy

A screenshot of a computer

Description automatically generated

DOT Product:

multiple matrix

suppose you have 2X2 and 2X1 then result matrix should be 2X2

rule1:

r1c2 , r2c2 then first rule is c1 == r2