Arrai structure(only exist 2d inside):

Attribute:

Ndim(is always 2)

Shape

Size

Array(is always 2S array)

Method:

\*\*\*all shape that used as parameter, its length only can be 2(only doing for matrix)

Ones(shape)

Zeros(shape)

Identity(shape)

Full(shape, value)

Reshape(shape)

Arange(range)

Table of methods to used by arrai(both vector and matrix) and its operators

|  |  |  |
| --- | --- | --- |
| operator | Vector(1,m)/(m,1) | Matrix(m,n) |
| Dot(a, b) | Dot of vector | - |
| @  if one of a or b are 0-D, will just do scalar multiplication | Multiplication of vector to get matrix | multiplication of matrix |
| +/- | Addition and subtraction | Addition and subtraction |