## Meshgrid example

In [1]:

```
import numpy as np
na, nb = (5, 3)
a = np.linspace(1, 2, na)
b = np.linspace(1, 2, nb)
xa, xb = np.meshgrid(a, b)
```

In [2]:

```
xa
```

Out[2]:

```
array([[1.  , 1.25, 1.5 , 1.75, 2.  ],
       [1.  , 1.25, 1.5 , 1.75, 2.  ],
       [1.  , 1.25, 1.5 , 1.75, 2.  ]])
```

In [3]:

```
xb
```

Out[3]:

```
array([[1. , 1. , 1. , 1. , 1. ],
       [1.5, 1.5, 1.5, 1.5, 1.5],
       [2. , 2. , 2. , 2. , 2. ]])
```

## Ravel example

In [4]:

```
import numpy as np
x = np.array([[1, 3, 5], [11, 35, 56]])
y = np.ravel(x, order='F')
z = np.ravel(x, order='C')
p = np.ravel(x, order='A')
q = np.ravel(x, order='K')
```

In [5]:

```
print("y: ", y)
print("z: ", z)
print("p: ", p)
print("q: ", q)
```

```
y:  [ 1 11  3 35  5 56]
z:  [ 1  3  5 11 35 56]
p:  [ 1  3  5 11 35 56]
q:  [ 1  3  5 11 35 56]
```