chap2

June 16, 2022

[4]:
```
import numpy as np
```

[5]:
```
#create numpy array using arange() function
var1 = np.arange(1, 11, dtype='f')
```

[6]:
```
print(var1)
```

```
[ 1.  2.  3.  4.  5.  6.  7.  8.  9. 10.]
```

[7]:
```
print(np.arange(1, 6, dtype='D'))
```

```
[1.+0.j 2.+0.j 3.+0.j 4.+0.j 5.+0.j]
```

[8]:
```
#dtype constructors
print(np.dtype(float))
```

```
float64
```

[9]:
```
print(np.dtype('f'))
```

```
float32
```

[10]:
```
print(np.dtype('d'))
```

```
float64
```

[11]:
```
print(np.dtype('f8'))
```

```
float64
```

[ ]:
```
#dtype attributes
#create numpy array
var2 = np.array([1, 2, 3], dtype = 'float')
```