

Files I/O

WE'LL COVER THE FOLLOWING ^

- NumPy binary files
- Text files

NumPy binary files

`save()` and `load()` are used for `numpy` binary files with extension `.npy`.

The `save()` function stores the input array in a disk file with `.npy` as the extension. It takes two inputs: the name of the file and the array to be saved.

```
np.save('filename.npy', arr)
```

To reconstruct an array from a `.npy` file, we use the `load()` function. It takes one input argument: the name of the file.

```
y = np.load('filename.npy')
```

```
import numpy as np

x = np.arange(0, 101, 5)
np.save('fives.npy', x)    # saving x in fives.npy
print(x)

y = np.load('fives.npy')
print(y)
```



Text files

`savetxt()` and `loadtxt()` are used for storing and retrieving text files. They work similarly to the functions `save()` and `load()`.

```
import numpy as np

x = np.arange(0, 101, 5)
np.savetxt('fives.txt', x)      # saving x in fives.npy
print(x)

y = np.loadtxt('fives.txt')
print(y)
```

