## **Exercise: Using Conditions on Arrays**

In this exercise, you will be using multiple conditions on arrays.

WE'LL COVER THE FOLLOWING ^

- Task
  - Problem statement

## Task #

In this exercise, you will be using conditions on NumPy arrays.

## Problem statement #

- 1. Create an array for variable  $\mathbf{x}$  consisting of 20 values from 0 to  $2\pi$ .
- 2. Compute sin(x) and store it in a variable y.
- 3. Store all values of y that are greater than 0.7 or less than -0.5 in one array.

$$y > 0.7, y < -0.5$$

4. Store all values of y that are greater than -0.5 and less than 0.7 in another array.

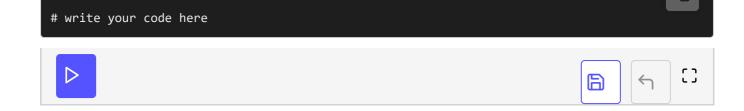
$$-0.5 < y < 0.7$$



 $\pi$  can be accessed using  $\ensuremath{\mathsf{np.pi}}$  .



in(x) can be used as  ${\sf np.sin(x)}$  .



We will discuss the solution to this exercise in the next lesson.