

# 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 `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 `np.pi`.



$\sin(x)$  can be used as `np.sin(x)`.



```
# write your code here
```



---

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