**Requirements**

Run equivalence.py in the [**Codio workspace**](https://www.my-course.co.uk/course/view.php?id=7531&section=6) - Testing with Python - which is an implementation of equivalence partitioning. This test partitions integers [-3,5] into equivalence classes based on *lambda x, y: (x-y)%4 == 0.*

In the output, you should be able to see how a set of objects to be partitioned are considered, and a function evaluates if the two objects are equivalent before printing the result.

test\_equivalence\_partition() produces the following output:

set([1, -3]) set([2, -2]) set([3, -1]) set([0, 4]) 0 : set([0, 4]) 1 : set([1, -3]) 2 : set([2, -2]) 3 : set([3, -1]) 4 : set([0, 4]) -2 : set([2, -2]) -3 : set([1, -3]) -1 : set([3, -1])

**Findings**

Figure 2 below is the provided equivalence testing program for the function/lambda:

(x-y) % 4 == 0.

The output for the inputs is as per below:

Text

Description automatically generated

**Figure 1 - Output**

Text

Description automatically generated

**Figure 1 – Equivalence Testing Program**