

# DIT636/DAT560 - Data Flow Testing Activity

1. Identify all DU Pairs in the following code:

```
1. public int doSomething(int x, int y)
2. {
3.     while(y > 0) {
4.         if(x > 0) {
5.             y = y - x;
6.         }else {
7.             x = x + 1;
8.         }
9.     }
10.    return x + y;
11. }
```

For example, (1, 4) is a DU pair for variable x.

2. Select test input that achieves All DU Pair Coverage over the code.

You do not need to create full unit test cases. You can just state input and explain which DU pairs are covered. For example:

(1, 1)

Variable x, covers pairs: (1,4)