Answers to Questions from TT 7.2.1

Name: Joshua Sanjay King
Student ID: 105282612

Hand execution using a trace table

Demonstrate how the following code is executed in the computer.

```
1  def whatshouldthisfunctionbecalled?(data, val)
2      i = 0
3      result = false
4      while i < data.length
5          if data[i] == val
6              result = true
7              return result
8          end
9          i = i + 1
10     end
11     return result
12 end
```

Draw and complete trace tables for the following two sets of data and place the final result in the table below:

data	val	Result
[2, 6, -4, 3, 7]	3	
[-2, 8, 2, -5, 9]	6	

Once you have completed your trace tables (below) write the name you chose for the function above:

contains

Place your trace tables below:

For data set: **data** = [2, 6, -4, 3, 7] **val** = 3

data	val	result
[2,6,-4,3,7]	3	3

For data set: **data** = [-2, 8, 2, -5, 9] **val** = 6

data	val	Result
[-2,8,2,-5,9[	6	false