

Answers to Questions from TT 6.1

Name:

Student ID:

Hand execution using a trace table

Demonstrate how the following code is executed in the computer.

```
1 def whatdoesthisfunctiondo?(data)
2   result := 0;
3   i = 0
4   while i < data.length
5     result := result + data[ i ];
6     i = i + 1
7   end
8   return result
9 end
```

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

<i>data</i>	<i>Result</i>
[6, -3, 3, 8, 1]	
[2, 6, -2, 3]	

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

Add integers in array

Place your trace tables below:

For data set: [6, -3, 3, 8, 1]

data	Result
[6,-3,3,8,1]	15

For data set [2, 6, -2, 3]

Data	Result
[2,6,-2,3]	9