# Worksheet: Iteration Basics 1

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1a. Write a Python program that uses a `while` loop to print out a count down from `5 down` to `0`. The output can print each number on its own line, or print all numbers on a single line, separated by a space. Example output:

```
5 4 3 2 1 0
```

Once your code is working properly, copy it into the box below:

1b. Complete the trace table for the above program. You may not need all the rows provided.

| number | condition | Action |
|---|---|---|
| 5 | | |
| | | |
| | | |
| | | |
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| | | |
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2a. Write a program that:

- repeatedly prompts the user to enter an integer
- stores each entered number in a list
- stops the input of numbers when the user enters the number 0 (zero)
- prints the resulting list
- prints the sum of the numbers in the list

For example:

```
Enter the next number for the list: 5
Enter the next number for the list: 3
Enter the next number for the list: 1
Enter the next number for the list: 0
[5, 3, 1]
Sum: 9
```

Once your code is working properly, copy it into the box below: