

## Loop Control

### Loop Control Statements:

The Statements that change the flow of control in loops.

Break Statement : used to exit a loop prematurely.

### Summing User Input:

Continuously sum numbers provided by the user until a negative number is entered, at which point the loop should terminate.

### Algorithm:

1. Initialize Sum to 0.0
2. Start an infinite loop (while)
3. Read a number  $n$  from the user.
4. If  $n$  is negative, break the loop.
5. Otherwise, add  $n$  to sum.
6. Print the current Value of Sum.
7. Close the Scanner after exiting the loop.