

Implementing the Plan

How do you put your plan into action? What tactics do you use to implement your strategy? Start by looking at the loop **topology**.

Examine this **guarded** loop. You can see that there are

- actions that occur **before** the loop is encountered
- a **test** that determines whether the **loop is entered**
- actions that occur **inside** the loop body
- actions that occur **after** the loop is complete

These four "faces" of a loop are called the **precondition**, the **bound**, the **action** or **operation** and the **postcondition**.

Remember these terms; we'll use them to determine exactly **where** to start working on our loop.

Before the loop

Test condition

Loop Actions

After the loop



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