Loops in Programming

Loops are among the most basic and powerful of **programming** concepts. A **loop** in a computer **program** is an instruction that repeats until a specified condition is reached.

```
                    ┌─────────────┐
                    │    Start    │
                    └─────────────┘
                           │
                           ▼
                        ╱     ╲
                      ╱    Is    ╲
        ┌──────────▶ ◀ Condition ▶ ──────────┐
        │             ╲  True?  ╱             │
        │               ╲     ╱               │
        │                  │                  │
        │                 Yes                 │
        │                  │                  │
        │                  ▼                  │
        │           ┌─────────────┐           │
        │           │             │           │
        │           │    Code     │           │
        │           │             │           │
        │           └─────────────┘           │
        └──────────────────┘                  │
                                             No
                                              │
                                              ▼
                    ┌─────────────┐
                    │     End     │ ◀─────────┘
                    └─────────────┘
```