

Section Review

Learn to Code with Ruby

Loops

- A **loop** is a series of instructions that repeats until a terminating condition is reached. One round of a loop is called an **iteration**.
- A **while** loop executes as long as a condition is met.
- An **until** loop executes until a condition is met.
- An **infinite loop** occurs when a condition has no way of terminating.

The next and break Keywords

- The **next** keyword moves to the next iteration of the loop. The condition is reevaluated.
- The **break** keyword terminates a loop. This is helpful when you only want to iterate until finding the first match.

Recursion

- **Recursion** is when a method calls itself.
- Write the method name in the body of the method definition.
- A **base case** is a condition that forces the end of recursion. All recursive methods must have a base case to avoid infinite loops.
- Recursion is ideal when a large problem can be broken down into smaller problems of a similar nature.