Chapter 7: Programming

7.21 Method

7.23 Method

```
public static int numberOfOnesInBinaryRepresentation(int num)
{
    return switch (num) {
        // Base case 0
        case 0 -> 0;
        // Base case 1
        case 1 -> 1;
        // Keep going
        default -> numberOfOnesInBinaryRepresentation(num / 2)
        + numberOfOnesInBinaryRepresentation(num % 2);
};
};
```

7.36 Method

```
public static void printReverse(Scanner in)

{
    // Base case of no input to receive
    if (!in.hasNextLine()) return;

// Pull current input
    String line = in.nextLine();

// Sort out the rest then print after
    printReverse(in);
    System.out.println(line);

// System.out.println(line);
```

Testing

```
Starting tests Assignment 07
Ending tests Assignment 07
Ending tests Assignment 07
NAPress any key to continue . . .
```