......
} else if (......) {
......
......
} else {
......

// Using switch-case
switch(number) {
    case 1: System.out.println("ONE"); break;
    case 2: ......
    ......
    ......
    default: System.out.println("OTHER");
}
}

Exercise 1.3b: Similarly, write a program called PrintDayInWord, which prints “Sunday”, “Monday”, … “Saturday” if the int variable “day” is 0, 1, …, 6, respectively. Otherwise, it shall print “Not a valid day”.

1.2 Exercises on Loop (Iteration)

Exercise 1.2.1a SumAndAverage (Loop): Write a program called SumAndAverage to produce the sum of 1, 2, 3, …, to an upperbound (e.g., 100). Also compute and display the average. The output shall look like:

The sum is 5050
The average is 50.5

Hints:

public class SumAndAverage {
    // saved as "SumAndAverage.java"
    public static void main (String[] args) {
        int sum = 0; // store the accumulated sum, init to 0
        double average; // average in double
        int lowerbound = 1; // the lower bound to sum i.e. the minimum number
        int upperbound = 100; // the upper bound to sum i.e. the maximum number

        for (int number = lowerbound; number <= upperbound; ++number) {
            sum += number; // same as "sum = sum + number"
        }
        // Compute average in double. Beware that int/int produces int.
        ......
        // Print sum and average.
        ......
    }
}

Exercise 1.2.1b TRY:

Modify the program to use a “while-do” loop instead of “for” loop.