Problem Set 2 Exercise #14: Square Number

Reference: Lecture 4 notes

Learning objective: Repetition statements

Estimated completion time: 30 minutes

Problem statement:

Write a program **PS2_Ex14_SquareNumber.java** that asks the user to input a positive integer. Thereafter, your program should print out whether this integer is a perfect square.

A perfect square is the square of an integer. Examples are 9 (= 3×3), 4 (= 2×2), and 1 (= 1×1).

Sample run #1:

```
Enter an integer: 80
80 is not a perfect square
```

Sample run #2:

```
Enter an integer: 81
81 is a perfect square
```