

Problem Set 2 Exercise #03: Valid Age

Reference: Week 5 Lecture notes

Learning objective: Repetition statements

Estimated completion time: 15 minutes

Problem statement:

After learning repetition statements, we can do some simple data validation.

Suppose a program is to read in an integer value representing the age of a person. It makes sense that the value should be within a reasonable range, say 1 to 100, both inclusive. If the user enters an invalid input outside this range, the program should ask for the age again.

Write a program **age.c** to perform this task and also to count how many times the user has entered the input.

Sample run #1:

```
Enter age: 17
Your age is 17
Number of attempts = 1
```

Sample run #2:

```
Enter age: -5
Enter age: 101
Enter age: 32
Your age is 32
Number of attempts = 3
```