**Name**: Henry Våg

**Pair: -**

**Amount of completed tasks: 10**

**Which tasks were left undone or incomplete: 0**

Self-assessment:

I managed to do the tasks quite well but need more practice in iterating with a “for in” loop and writing pseudocode.

Link to Github: https://github.com/HenryVag/OOP24/tree/main/Exercise\_2

## Answers to other than coding tasks here:

1. Explain the following terms:

a. Pseudocode – Describes the code in detail in a normal language such as English.

b. Algorithm – A set of rules that the computer follows when making calculations.

c. Data attribute – A characteristic of the data

d. Method – A procedure that is defined as a part of a class. It is available to all instances of that class.

e. Constructor – Assigns values to data members of the class and is called whenever an object of the class is created.

2.3

Alarm clock data attributes Alarm clock methods

* Current time - Current time, depends on use case
* Alarm time - Set alarm, public
* Alarm volume - Check if alarm is on, private
* Alarm on/off - Delete alarm, public
* Alarm model - Stop alarm, public

Pseudocode

Constructor to initialize attributes

Start infinite loop

* new\_time\_check() starts previous\_time\_check()
* if previous\_time\_\_check() == True, then
* new\_time\_check() prints new time
* if self.alarm\_set == false:
* SetAlarm()
  + Input(“time of alarm”)
  + Input(“alarm volume”)
* elif self.alarm\_set == true:
  + self.activate alarm() , alarm activates
  + self.delete\_alarm, enables deletion of alarm