2.5 Data Types

The DNA **(responsible for the cell functionality inside the nucleus)** is a genetic program of a cell, which leads to a cytoplasm **(fluid in the cell, mostly water)**. It is like a data type that can be compared to a computer instruction, which can modify data therefore at least one data type like integer must be available. The data type can be represented by metabolites **(intermediate products)** and modified by biochemical reactions.

The data type **(metabolite)** like an integer can be represented by OOC in the following way:

> **var number: Integer := 0;**

The **var** stands for variable and number is the name of the variable. The Integer is the type and the 0 is the contents of the type, which is the same in Java. The **:** means true to that, **:=** means equal by definition, and **;** means end of the expression, therefore we can state that the contents is stored in the variable, which is a storage location in the computer's memory. The expression above can be classified as a data type.

2.6 Self-Check Questions for the Data Type Sub-Section

1. What does an initialization of a data type mean?
2. What is a metabolite?
3. What is a data type?