universität innsbruck

Functional Programming

WS 2023/2024

LVA 703025

Live Exercises 6

Wednesday, November 22, 2023

Exercise 1 Type Classes

- 1. What is the difference between a data type and a type class?
- 2. (i) What is the minimal complete definition of Eq?
 - (ii) What is the minimal complete definition of Ord?
 - (iii) Name 4 functions required for the minimal complete definition of Num.
- 3. Answer true or false to the following statements:
 - (i) Every instance of $\tt Ord$ must be an instance of $\tt Eq$
 - (ii) Every instance of $\tt Num$ must be an instance of $\tt Eq$
 - (iii) String is an instance of ${\tt Ord}$