SDIM252: Assignment 5 (3 points)

Write a small essay to elaborate on the two primary characteristics of Object-Oriented Programming, namely, **inheritance** and **polymorphism**. In the meantime, discuss the role played by **virtual** functions.

You can use examples, figures, or any other format of tools, to help illustrate your point of view.

Please submit a **PDF** version of your assignment to the following email address:

dongjd2025@mail.sustech.edu.cn (DONG Jinda)

with the subject:

Assignment 5 from [Name] – [SID] (e.g., Assignment 5 from Zhang San - 12216666)

before **Jan. 11, 2026**, 23:59.