SDM252: Assignment 3 (3 points)

Write a small essay to introduce the **stack** memory and the **heap** memory in C++, describe the process of allocating objects on them, respectively, and make a comprehensive comparison between these two different usages of the memory.

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:

nijy2024@mail.sustech.edu.cn (NI jiayue)

with the subject:

Assignment 3 from [Name] – [SID] (e.g., Assignment 3 from Zhang San - 12216666)

before **Nov. 20**, 2025, 23:59.