

Lab Exercise 3

Question 1:

Design and implement a `class` `dayType` that implements the day of the week in a program. The `class` `dayType` should store the day, such as `Sun` for Sunday. The program should be able to perform the following operations on an object of type `dayType`:

- a. Set the day.
 - b. Print the day.
 - c. Return the day.
 - d. Return the next day.
 - e. Return the previous day.
 - f. Calculate and return the day by adding certain days to the current day. For example, if the current day is Monday and we add 4 days, the day to be returned is Friday. Similarly, if today is Tuesday and we add 13 days, the day to be returned is Monday.
 - g. Add the appropriate constructors.
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Question 2:

Write the pseudo code for the following:

- a) Singly Linked List
- b) Double Linked List
- c) Stack
- d) Queue