LAB EXERCISE 10: Java Collection Framework

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Slot: L9+L10
Class Number: CH2022231000321
Date: 01/10/2022   **Due Date:**   **01/10/2022**

ANSWER ALL QUESTIONS

1. Perform the following operations

A. Create an empty list using collection frame work named list_days to hold the days of the week.
B. Add all the weekdays to the created list except Wednesday.
C. Print the resultant list
D. Iterate the list using any three different ways(either using for or foreach or Iterator Interface)
E. Add Sunday to the beginning of the list and Saturday to the ending of the list and Wednesday after Tuesday in the List.
F. Set Sunday and Saturdays as Holiday.
G. Check whether Holiday is present in list or not.
H. Remove Holidays from the list.
I. Copy all the elements form list_days into new list named week_days.
J. Sort the new list and display it.
K. Shuffle and display the elements of list_days.
L. Compare days_list with week_days.
M. Sort and Reverse both the lists.
N. Compare days_list with week_day.
O. Swap 1st and last elements in both the lists.
P. Remove all the elements from the list_days.
Q. Check the list_days is empty or not.
R. Shuffle and display the elements of list_days.
S. Compare days_list with week_days.

2. Write a java program to simulate a Phone Book application with the following options.(The names and phone numbers should be saved into a file)

L. Look up a phone number.
A. Add or change a phone number.
R. Remove an entry from your phone directory.
D. List the entire phone directory.
E. Exit from the program.