

# CSE 122 : Object Oriented Programming Lab

## Lab - 5

Intake 52  
**Section - 4**

February 5, 2024

### Task 1

- A class named **Rectangle** has two private members named height and width.
- A function `set_data()` is used to set the values and another member function `get_data()` is used to show the values of the Rectangle.
- Now create 40 Rectangles and display all the information for 40 Rectangles.

### Task 2

- Suppose there is a restaurant named KKFC. So you have to choose your food item.
- Write a class KKFC where the function `Choosefood ()` takes the name of foods as the argument.
- The number of food items may vary from three (03) to five (05) and from person to person.
- Write a function named `display()` to show the selected food item
- Complete the task using function overloading concept.

### Task 3

- Define the **Distance** class with private data members for kilometers, meters, and centimeters.
- Implement a parameterized constructor to initialize the **Distance** object with user-input values for kilometers, meters, and centimeters.
- Define a member function named `sub()` within the **Distance** class to find the difference between two **Distance** objects. Assume that the first object will always be larger than the second one.
- Implement a function named `show()` inside the **Distance** class to display the result of the difference.
- In the main function, create two **Distance** objects named D1 and D2 and initialize them with user-input kilometers, meters, and centimeters.
- Use the `sub()` function to find the difference between D1 and D2, and then use the "`show()`" function to display the result.