

CSE 122 : Object Oriented Programming Lab

Lab - 5

Intake 52
Section -4

February 8, 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 **Time** class with private data members for year, month, and day.
- Implement a parameterized constructor to initialize the **Time** object with user-input values for year, month, and day.
- Define a member function named `sub()` within the **Time** class to find the difference between two **Time** objects. Assume that the first object will always be larger than the second one.
- Implement a function named `show()` inside the **Time** class to display the result of the difference.
- In the main function, create two **Time** objects named T1 and T2 and initialize them with user-input year, month, and day.
- Use the `sub()` function to find the difference between T1 and T2, and then use the "`show()`" function to display the result.