INDIAN SCHOOL AL GHUBRA

CLASS XI COMPUTER SCIENCE 2023-2024

DATE: 01-05-2023 , MONDAY

LAB ASSIGNMENT 5

Write a Python program to prompt the user to enter the length and breadth of a rectangle. The area is calculated, and the initial results are printed. The calculated area is compared to an arbitrary maximum area of 1000. It uses an if/else selection structure to print different messages if the area is less than, equal to or greater than the maximum.

LAB ASSIGNMENT 6

Write a program that allows the user to enter a number of quarters, dimes, and nickels and then outputs the monetary value of the coins in cents. For example, if the user enters 2 for the number of quarters, 3 for the number of dimes, and 1 for the number of nickels, then the program should output that the coins are worth 85 cents.

A nickel is worth 5 cents. A dime is worth 10 cents. A quarter is worth 25 cents.

LAB ASSIGNMENT 7

Write a program that determines whether a meeting room is in violation of fire law regulations regarding the maximum room capacity. The program will read in the maximum room capacity and the number of people attending the meeting. If the number of people is less than or equal to the maximum room capacity, the program announces that it is legal to hold the meeting. If the number of people exceeds the maximum room capacity, the program announces that the meeting cannot be held and tells how many people must leave.

LAB ASSIGNMENT 8

Write a program that first reads in how many whole numbers the user wants to sum , then reads in that many whole numbers, and finally outputs the sum of all the numbers greater than zero, the sum of all the numbers less than zero (which will be a negative number or zero), and the sum of all the numbers, whether positive, negative, or zero. The user enters the numbers just once each and the user can enter them in any order. Your program should not ask the user to enter the positive numbers and the negative numbers separately.