

SENG 101 LABWORK 4

- 1. Write a C program that asks the user to enter 1 quiz, 1 midterm, and 1 final grade for a student. Calculate the student's overall grade. The weights for the quiz, midterm and final are %20, %30 and %50, respectively. Define a threshold variable and set the value at 40. Use if-statements to determine whether the student passed or failed the class based on the threshold value.**
- 2. Write a C program that asks the user to enter the units of electricity consumed in a month. Use if-statements to calculate the total bill based on the following criteria:**
 - 0-100 units: \$0.50 per unit**
 - 101-200 units: \$0.75 per unit**
 - 201-300 units: \$1.50 per unit**
 - 301-above: \$1.50 per unit**

Then, print the total electricity bill on the screen.

- 3. Write a C program that takes a character input representing a traffic light color (R/r for red, Y/y for yellow, G/g for green) and uses an if-statement to display the appropriate action:**

R/r: Stop
Y/y: Ready
G/g: Go

Print "invalid signal" for any other input.