Question 01 (ON NOTEBOOK)

What would be the output of the following:

- x = 18.9 - 13.7 + 13.9 / 3.5 * 5 + 4;
- x = 12 % 3 - 4.5 / 2 * 2 + 1.0 - 30%2;
- x = (2.9 * 1.7 * (3.9 + (9.7 * 2.8 / (1.5))));

Question 02

Write a program to take user age and show them how many hours, minutes, and seconds they have lived so far?

Question 03

A. Write a program to provide the roots of the quadratic equation. The values of a, b and c, are provided by the user.
B. Given x, y coordinates of two points calculate the distance between points as well.

Question 04

Input two floating-point numbers from the user and perform all arithmetic and logical operations on them.

Question 05

Input two floating-point numbers from the user and perform all bitwise operations on them.

Question 06

Write a program to input students' marks in Assignments, Quizzes, Sessional 1 & Sessional 2, Final marks, and calculate his/her grade using the following percentages.

Assignments weight only 15%
Quizzes weight only 5%
Mid 1 Weight only 15%
Mid 2 Weight Only 15%
Final Weight only for 50%

Grading scheme: Above 50 % marks is pass, above 60% is D, above 70% is C, above 80% is B above 90% is A.

Question 07

Write C program to create a BMI calculator application that reads the user's weight in pounds and height in inches (or, if you prefer, the user's weight in kilograms and height in meters), then calculates and displays the user's body mass index. Also, the application should display the following information from the Department of Health and Human Services/National Institutes of Health so the user can evaluate his/her BMI:

BMI VALUES

Underweight: less than 18.5
Normal: between 18.5 and 24.9
Overweight: between 25 and 29.9
Obese: 30 or greater

Question 08

Based on Students percentage and marks obtained in subjects (of intermediate) suggest a well suited advanced degree and institute (Minimum 03 & Maximum 5 options).

Option 1: BS CS From FAST

Option 2: BS CS FROM IBA

Option 3: BBA FROM LUMS