

EXERCISES FOR WEEK 2

Exercise 1: Write a program with the following requirements:

- Enter two integer numbers a and b; one operator (+-*/) from the keyboard.
- Print the result of the expression: a (+-*/) b

Exercise 2: Write a program to **find Roots of Quadratic Equation**: $ax^2+bx+c=0$

Exercise 3: Prime Number Program in C#, we will take an input n from the user; the program will ask the user to reenter n if $n < 2$ and check whether the number is prime or not.

Exercise 4: Write a program to create **A Number Guessing Game** with the following requirements:

- The program begins by randomly generating a number between 1 and 100
- The Game prompts a user to input a number.
- The random number is the winning number used to compare against the user's guessing number.
- The Game will give a user 7 chances for the user to guess a randomly generated number.
- If the user guesses wrong, the program will announce the number guessed is smaller or bigger than the winning number.

