1. START.
2. INPUT THE VALUES OF A, B, and C in the quadratic equation a*(x^2) + b * x + c = 0
3. COMPUTE THE DISCRIMINANT(D) : D = b^2 – (4 * a * c)
4. IF D > 0, THE EQUATION HAS TWO REAL ROOTS
    - Calculate roots: x = (-b + sqrt(D)) / (2 * a)
    - Calculate roots: x = (-b + sqrt(D)) / (2 * a)

   IF D = 0, THE EQUATION HAS ONE REAL ROOT(A REPEATED ROOT)

    - Calculate root: x = -b / (2 * a)

   IF D < 0, THE EQUATION HAS COMPLEX ROOTS

    - Calculate root: x = (-b + sqrt(D))/ (2 * a)
    - Calculate root: x = (-b + sqrt(D))/ (2 * a)

5. END