

64050229 Vish Srinivatsana

Start

create var $a, b, c, \text{root}_1, \text{root}_2, \text{img}, \text{disc}$

Input a, b, c

calculate $\text{disc} = b^2 - 4ac$

disc > 0

cal $\text{root}_1 = \frac{-b + \sqrt{\text{disc}}}{2a}$

cal $\text{root}_2 = \frac{-b - \sqrt{\text{disc}}}{2a}$

disc $= 0$

$\text{root}_1 = -b/2a$

$\text{root}_2 = -b/2a$

disc < 0

$\text{root}_1 = -b/2a$

$\text{root}_2 = -b/2a$

$\text{img} = \frac{\sqrt{-\text{disc}}}{2a}$

display $\text{root}_1 + i\text{img}$
 $\text{root}_2 - i\text{img}$

display $\text{root}_1, \text{root}_2$

display "Please enter valid number"

END



