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% Create a function M-file called quadRoots to find the roots of quadratic
% polynomials of the form  $y=ax^2+bx+c$  Its inputs will be the coefficients
% a, b and c. Its outputs will be the two roots, r1 and r2 and calculated
% by the formula:
%  $r1, r2 = (-b \pm \sqrt{b^2 - 4ac}) / 2a$ 
% Varun Khadayate A016
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function r = quadRoots(a,b,c)
r1 = (-b + sqrt(b^2 - 4*a*c)) / (2*a);
r2 = (-b - sqrt(b^2 - 4*a*c)) / (2*a);
r = [r1 ; r2];
```