

OUTPUT FOR PROGRAM 1: Develop a C program to find all possible roots of a quadratic equations.

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C:\TURBOC3\BIN>TC

enter a, b and c where a*x*x + b*x + c = 0
3 5 7
the roots are imaginary. root1 = -0.83 + i1.28 and root2 = -0.83 - i1.28
enter a, b and c where a*x*x + b*x + c = 0
2 4 2

the roots are real and equal. root1 = -1.00 and root2 = -1.00
enter a, b and c where a*x*x + b*x + c = 0
2 -11 5

the roots are real and unequal. root1 = 5.00 and root2 = 0.50
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OUTPUT FOR PROGRAM 2: Illustrate conditional branching statements to find the smallest of three numbers.

```
C:\TURBOC3\BIN>TC

enter three numbers: 1 5 9

1 is the smallest of the three numbers
enter three numbers: 8 2 6

2 is the smallest of the three numbers
enter three numbers: 9 7 4

4 is the smallest of the three numbers_
```