


C
C++
C++14
C#
Java
Perl
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Python
Python 3
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HTML & JS (/tryit.php)

C++ ⓘ  (index.php) Shortcuts ↺ Reset Copy ↗

```
37 {
38     h = f(x)/f_dash(x);
39
40     // x(i+1) = x(i) - f(x) / f'(x)
41     x = x - h;
42     n++;
43 }
44
45 printf("Root (using newton's method) = %.5f\n", x);
46 cout << "No. of iterations = " << n << endl;
47 }
48
49
50
51
52 int main()
53 {
54
55     ld x0; // initial values for newton's method
56     x0 = 5;
57     newtons(x0);
58
59
60     return 0;
61 }
```

Input Goes Here..

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➤ Run

➤ Run+URL (Generates URL as well)

Time(sec) : 0 Memory(MB) : 3.3869107995605

Output:

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Root (using newton's method) = 2.00000
No. of iterations = 8

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