

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

 (index.php)

C++

ShortcutsResetCopy

```
45     {
46         k =(f(x)*f_dash(x))/((f_dash(x))*(f_dash(x)) - f(x)*f_double_dash(x));
47
48         // x(i+1) = x(i) - h(x) / h'(x)
49         x = x - k;
50         n++;
51     }
52
53     printf("Root (using newton's method) = %.5f\n", x);
54     cout << "No. of iterations = " << n << endl;
55 }
56
57
58
59
60 int main()
61 {
62
63     ld x0; // initial values for newton's method
64     x0 = 5;
65     newtons(x0);
66
67
68     return 0;
69 }
```

Input Goes Here..

Copy

Run

Run+URL (Generates URL as well)

Time(sec) : 0 Memory(MB) : 3.4733238220215

Output:

Copy

Root (using newton's method) = 1.00000
No. of iterations = 6

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