

## Newton Raphson method Practice Questions

Write a program in C to find the root of the given following equations upto 6 decimal places using Newton raphson method.

$$f(x) = -\cos\left(|x| + \frac{\pi}{4}\right) + 0.8$$

$$f(x) = xe^{-x}$$

$$f(x) = \sqrt[3]{x}$$

$$f(x) = x\ln x - 1$$

$$\tan x = 4x$$

### Instructions

1. Input the equation from the user.
2. Code should be generic.
3. Make a sub-folder in your google drive naming the method.  
Save the code and respective output in it.