

QUIZ 4 : 24TH MARCH - 28TH MARCH

In this week's quiz, you can hold the quiz after the lab session. You can ask them to solve one equation using the code they write for secant method and the method of false position.

You (T.A.s) can use your imagination. However I list some equations to give some idea.

The problem you should give the students is :

Problem : Using the code you wrote in class, find the solution of `<insert any equation here; see examples below>`.

Examples of equations.

- (1) $x^5 - 4x + 1 = 0$
- (2) $\sin(x) - 12/13 = 0$
- (3) $e^{-x^2} - .5 = 0$
- (4) $\sin(x) + \cos(2x) - 1 = 0$
- (5) $\tan(x) + e^x = 1$
- (6) $e^x + 1 = 0$ (Yes, I know ... this doesn't have any solutions.)
- (7) $1 + x + x^2 + x^3 + x^4 + x^5 + x^6 = 1.5$
- (8) $(10x + 1)/(1 + x^2) = 3$