Program Secan e­-x-x

import java.lang.Math;

import java.text.DecimalFormat;

class Secant{

public static void main(String[] args) {

double x0 =0, x1 =1, fx0, fx1, x3, asli=0.56714329, ea, er, ee;

Secant b = new Secant();

DecimalFormat s = new DecimalFormat("0.00");

for(int i=1; i<=3; i++){

fx0 = b.fungsi(x0);

fx1 = b.fungsi(x1);

x3 = x1 -(( fx1 \* (x0-x1) )/(fx0-fx1));

er = (x3-asli)/asli\* 100;

System.out.println("fX"+(-1+i)+" = "+fx0 );

System.out.println("fX"+(0+i)+" = "+fx1 );

System.out.println("X"+i+" = "+x3 );

System.out.println("Er = "+s.format(er) );

x0 = x1;

x1 = x3;

System.out.println("\n\n");

}

}

public double fungsi(double x){

return Math.exp(-x)-x;

}

public String p2d(double x){

DecimalFormat df = new DecimalFormat("0.####");

return df.format(x);

}

}

