Program Tabulasi Menghitung e­-x-x

import java.lang.Math;

import java.text.DecimalFormat;

class Tabulasi{

public static void main(String[] args) {

double x =0, fx, tambah = 1, asli = 0.56714329, ea, er ;

Tabulasi t = new Tabulasi();

DecimalFormat s = new DecimalFormat("0.00");

for(int i=0; i<3;i++){

tambah = tambah/10;

fx = t.fungsi(x);

System.out.println("x\t|\t(FX)\t\tEa\t\tEr");

while(fx>0){

ea = asli - x;

er = ea/asli\*100; System.out.println(t.p2d(x)+"\t|\t"+t.p2d(fx)+"\t\t"+t.p2d(ea)+"\t\t"+s.format(er)+"%");

x += tambah;

fx = t.fungsi(x);

}

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

x= x-tambah;

}

}

public double fungsi(double x){

return Math.exp(-x)-x;

}

public String p2d(double x){

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

return df.format(x);

}

}

