Program Literasi persaaan e­-x-x

import java.lang.Math;

import java.text.DecimalFormat;

class Iterasi{

public static void main(String[] args) {

double x =0, fx, asli=0.56714329, ea, er, ee, sm;

Iterasi b = new Iterasi();

DecimalFormat s = new DecimalFormat("0.00");

System.out.println(" X\t\tFX\t\tEr\t\tEe");

for(int i=1; i<=10; i++){

fx = b.fungsi(x);

ea = asli - x;

er = Math.abs(ea)/asli\*100;

ee = ((fx-x)/fx) \*100;

System.out.println(" "+b.p2d(x)+"\t\t"+b.p2d(fx)+"\t\t"+b.p2d(er)+"\t\t"+s.format(Math.abs(ee))+"%");

x = fx;

}

}

public double fungsi(double x){

return Math.exp(-x);

}

public String p2d(double x){

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

return df.format(x);

}

}

