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nbfs://nbhost/SystemFileSystem/Templates/Project/Maven2/JavaApp/src/main/java/${packagePath}/${m
ainClassName}.java to edit this template
package com.mycompany.secante;
import java.util.Scanner;
* @author salacomputocentro.ba
public class Secante {
  public static void main(String[] args) {
    Scanner read = new Scanner(System.in);
    System.out.println("Digite grado");
    int grado = read.nextInt();
    double F[] = new double[grado + 1];
    System.out.println("Digite tolerancia");
    double tolerancia = read.nextDouble();
    System.out.println("Digite xo");
    double xo = read.nextInt();
    System.out.println("Digite xi");
    double xi = read.nextInt();
    for (int i = 0; i < F.length; i++) {
       System.out.println("Digite coeficiente #" + i);
       F[i] = read.nextDouble();
    int sw = o, it = o;
    double fxi, fxd, x_2 = 0, e;
    System.out.println("Digite numero maximo de iteracciones");
    int maxint = read.nextInt();
    while (sw == o && it <= maxint) {
       fxi = Evaluar(F, xo);
       fxd = Evaluar(F, xi);
```

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x_2 = xi - (((xi - xo) * fxd) / (fxd - fxi));
       e = Math.abs(x_2 - x_i);
       System.out.println("iteraccion: " + it
            + "Xo: " + xo
             + "Xi: " + xi
            + "f(xo): " + fxi
            + "f(xi):" + fxd
            + "x2: " + x2
            + "E: " + e);
       if (e <= tolerancia) {
          sw = 1;
       } else {
          xo = xi;
          xi = x2;
          it++;
       }
     }
     if (sw == 1) {
       System.out.println("La raiz real: " + x2);
     } else {
       System.out.println("Not found");
  }
  public static double Evaluar(double f[], double x) {
     double fx = o;
     for (int i = 0; i < f.length; i++) {
       fx += f[i] * Math.pow(x, i);
     return fx;
}
```