Solution du TP BigDeaimal

CalculDollars.java

```
package fr.afpa.math;
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.math.BigDecimal;
import java.math.RoundingMode;
import java.util.Scanner;
public class CalculDollars{
public static BigDecimal VAL 1EURO = new BigDecimal("1.1882");
public static BigDecimal euroToDollar(BigDecimal euros) {
        BigDecimal resultat = euros.multiply(VAL 1EURO);
        return resultat.setScale(2, RoundingMode.HALF UP);
public static BigDecimal dollarToEuro(BigDecimal dollars) {
    return dollars.divide( VAL 1EURO, 2, RoundingMode.HALF UP );
public static void main( String [] args) throws IOException{
        Scanner sc = new Scanner(System.in);
        BigDecimal bg = null;
        BigDecimal resultat = null;
        String entreeClavier = null;
        System.out.print("\nEntrez la somme en euros : ");
    entreeClavier = sc.nextLine();
    // NOK val = Double.parseDouble( entreeClavier );
    bg = new BigDecimal( entreeClavier );
    resultat = euroToDollar( bg );
    System.out.println( "montant equivalent en dollars: "
                + resultat );
    System.out.println( "\nAppel de DollarToEuro dans la foulée: "
                + dollarToEuro( resultat ));
    System.out.print("Entrez la somme en dollars : ");
    entreeClavier = sc.nextLine();
    //NOK double val = Double.parseDouble( entreeClavier );
    bg = new BigDecimal( entreeClavier );
    resultat = dollarToEuro( bg );
    System.out.println( "montant equivalent en Euros: "
```