Exercise P10 with Min, max, med.

```java
package p10_pdf;

import java.util.Scanner;

import javax.swing.JOptionPane;


public class P10_PDF {

    public static final String ANSI_RED = "\u001B[31m";

    public static final String ANSI_BLUE = "\u001B[34m";

    public static final String ANSI_GREEN = "\u001B[32m";

    public static final String ANSI_RESET = "\u001B[0m";


    static Scanner keyboard = new Scanner(System.in);


    public static void main(String[] args) {
String txt="";
        float tempertureOfSecurity, margenDeSeguridad, TH, TL;

        final int Nmax = 24;

        float temp, tempmax, tempmin;


        int min, count = 0;

        boolean ok;


        System.out.print("Temperatura de seguridad? ");

        tempertureOfSecurity = keyboard.nextFloat();

        System.out.print("Margen de seguridad ");

        margenDeSeguridad = keyboard.nextFloat();
```

```java
            TH = tempertureOfSecurity + margenDeSeguridad / 2;

            TL = tempertureOfSecurity - margenDeSeguridad / 2;

            tempmax = tempmin = tempertureOfSecurity;

            min = 0;
    int error=0;
    float media=0;
            count = 0;
            do {
                System.out.print("[T" + count + "]");

                temp = keyboard.nextFloat();

                if (tempmax < temp) {

                    tempmax = temp;

                }

                if (tempmin > temp) {

                    tempmin = temp;

                }

                if (temp < TL || temp > TH) {

                    ok = true;

                    error++;

                    txt=txt+"[T" + count + "] "+ temp;

                } else {

                    ok = false;

                    error=0;


                }

                count++;

                if(error==3)

                {

                    count=Nmax+1;

                }

                if(error==2||error==1){
```

```java
            System.out.println(ANSI_BLUE+"REVISAR SISTEMAS");

          media += temp;


        }


    } while (count <= Nmax);


    if(ok==true){

      System.out.println(ANSI_RED+ "ALARMA !!!");

      media += temp;


    }



    System.out.println(txt);

      System.out.println("The maximum temperature is " + tempmax);

    System.out.println("The minimum temperature is" + tempmin);

    System.out.println("The  medium is " + (media / count));


  }
  }
```