I am trying to make an app which can define points on curve Y=a+bX

MainActivity.java

NOTE: there is no syntax error or runtime error

package com.hacker.prakharsharma.curvefitting;


```java
import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;


public class MainActivity extends AppCompatActivity implements View.OnClickListener {
 private int[] x={R.id.x1,R.id.x2,R.id.x3,R.id.x4,R.id.x5}; //x coordinates

    private int[] y={R.id.y1,R.id.y2,R.id.y3,R.id.y4,R.id.y5}; // y coordinates

    private TextView t1,t2,t3,t4,rsq,res;

    private Button calc;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        start();

    }


    private void start() {

        t1 = (TextView) findViewById(R.id.t1r);
```

T1- summation X

T2- summation X^2

T3-summation Y

T4-summation XY

Error or Rsq- calc the least square error

Res= show well defined equation

```java
        t2 = (TextView) findViewById(R.id.t2r);

        t3 = (TextView) findViewById(R.id.t3r);

        t4 = (TextView) findViewById(R.id.t4r);

        rsq = (TextView) findViewById(R.id.err);

        res = (TextView) findViewById(R.id.eqn);

        calc = (Button) findViewById(R.id.calc);

        calc.setOnClickListener(this);

    }
    @Override
    public void onClick(View v) {

        int i,tot1,tot2,tot3,tot4,error,a,b;

        tot1=tot2=tot3=tot4=error=a=b=0;

        for(i=0;i<5;i++)

        {

            tot1=tot1+x[i];

            tot2=tot2+x[i]*x[i];

            tot3=tot3+y[i];

            tot4=tot4+x[i]*y[i];


        }

        b=(tot1*tot3-5*tot4)/(tot1*tot1-5*tot2);

        a=(tot3-b*tot1)/5;

        t1.setText(String.valueOf(tot1));

        t2.setText(String.valueOf(tot2));

        t3.setText(String.valueOf(tot3));

        t4.setText(String.valueOf(tot4));

        for(i=0;i<5;i++)

        {
```

```java
            error=error+(y[i]-a-b*x[i])*(y[i]-a-b*x[i]);

        }

        rsq.setText(String.valueOf(error));

        res.setText("Y= ");

        res.append(String.valueOf(a));

        res.append("+");

        res.append(String.valueOf(b));

        res.append("X");

    }
}
```

Activity_main.xml

Note:there is no error in layout

```xml
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent"
    android:layout_height="match_parent" android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin" tools:context=".MainActivity"
    android:id="@+id/f1"
    android:background="#0eff26">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textAppearance="?android:attr/textAppearanceLarge"
        android:text="Type: Y=a+bX"
        android:id="@+id/banner"
```

```xml
        android:layout_alignParentTop="true"

        android:layout_centerHorizontal="true"

        android:textColor="#ff250c"/>


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceSmall"

        android:text="X"

        android:id="@+id/textView"

        android:layout_below="@+id/banner"

        android:layout_alignParentLeft="true"

        android:layout_alignParentStart="true"

        android:layout_marginLeft="54dp"

        android:layout_marginStart="54dp"

        android:layout_marginTop="32dp"

        android:textColor="#1e55ff"/>


    <EditText

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:id="@+id/x1"

        android:layout_below="@+id/textView"

        android:layout_alignParentLeft="true"

        android:layout_alignParentStart="true"

        android:layout_toLeftOf="@+id/banner"

        android:layout_toStartOf="@+id/banner"

        android:text="0"/>
```

```xml
<EditText

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:id="@+id/x2"

    android:layout_below="@+id/x1"

    android:layout_alignRight="@+id/x1"

    android:layout_alignEnd="@+id/x1"


    android:layout_alignParentLeft="true"

    android:layout_alignParentStart="true"

    android:text="0" />


<EditText

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:id="@+id/x3"


    android:layout_below="@+id/x2"

    android:layout_alignRight="@+id/x2"

    android:layout_alignEnd="@+id/x2"

    android:layout_alignParentLeft="true"

    android:layout_alignParentStart="true"

    android:text="0" />


<EditText

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:id="@+id/x4"
```

```
      android:layout_below="@+id/x3"

      android:layout_alignParentLeft="true"

      android:layout_alignParentStart="true"

      android:layout_alignRight="@+id/x3"

      android:layout_alignEnd="@+id/x3"

      android:text="0" />


<EditText

      android:layout_width="wrap_content"

      android:layout_height="wrap_content"

      android:id="@+id/x5"


      android:layout_below="@+id/x4"

      android:layout_alignRight="@+id/x3"

      android:layout_alignEnd="@+id/x3"

      android:layout_alignParentLeft="true"

      android:layout_alignParentStart="true"

      android:text="0" />


<EditText

      android:layout_width="wrap_content"

      android:layout_height="wrap_content"

      android:id="@+id/y1"


      android:layout_above="@+id/x2"

      android:layout_alignParentRight="true"

      android:layout_alignParentEnd="true"

      android:layout_toRightOf="@+id/banner"

      android:layout_toEndOf="@+id/banner"
```

```xml
        android:text="0" />

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/y2"



        android:layout_below="@+id/y1"
        android:layout_alignLeft="@+id/y1"
        android:layout_alignStart="@+id/y1"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true"
        android:text="0" />

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/y3"

        android:layout_alignBottom="@+id/x3"
        android:layout_alignLeft="@+id/y2"
        android:layout_alignStart="@+id/y2"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true"
        android:text="0" />

    <EditText
        android:layout_width="wrap_content"
```

```xml
        android:layout_height="wrap_content"

        android:id="@+id/y4"


        android:layout_alignBottom="@+id/x4"

        android:layout_alignLeft="@+id/y3"

        android:layout_alignStart="@+id/y3"

        android:layout_alignParentRight="true"

        android:layout_alignParentEnd="true"

        android:text="0" />


    <EditText

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:id="@+id/y5"


        android:layout_below="@+id/y4"

        android:layout_alignLeft="@+id/y4"

        android:layout_alignStart="@+id/y4"

        android:layout_alignParentRight="true"

        android:layout_alignParentEnd="true"

        android:text="0" />


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceSmall"

        android:text="Y"

        android:id="@+id/textView2"

        android:layout_alignTop="@+id/textView"
```

```xml
        android:layout_alignLeft="@+id/y1"

        android:layout_alignStart="@+id/y1"

        android:layout_toLeftOf="@+id/y1"

        android:layout_toStartOf="@+id/y1" />


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceSmall"

        android:text="Y"

        android:id="@+id/textView3"

        android:layout_above="@+id/y1"

        android:layout_toRightOf="@+id/textView2"

        android:layout_toEndOf="@+id/textView2"

        android:layout_marginLeft="29dp"

        android:layout_marginStart="29dp"

        android:textColor="#1e55ff" />


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceMedium"

        android:text="∑ X"

        android:id="@+id/t1"

        android:layout_below="@+id/x5"

        android:layout_alignParentLeft="true"

        android:layout_alignParentStart="true"

        android:layout_marginTop="38dp"

        android:textColor="#1e55ff" />
```

```xml
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textAppearance="?android:attr/textAppearanceMedium"
    android:text="∑X2"
    android:id="@+id/t2"
    android:layout_below="@+id/t1"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    android:textColor="#1e55ff" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textAppearance="?android:attr/textAppearanceMedium"
    android:text="∑Y"
    android:id="@+id/t3"
    android:layout_below="@+id/t2"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    android:textColor="#1e55ff" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textAppearance="?android:attr/textAppearanceMedium"
    android:text="∑XY"
    android:id="@+id/t4"
```

```xml
        android:layout_below="@+id/t3"

        android:layout_alignParentLeft="true"

        android:layout_alignParentStart="true"

        android:textColor="#1e55ff" />


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceMedium"

        android:text="Error"

        android:id="@+id/rsq"

        android:layout_below="@+id/t4"

        android:layout_alignLeft="@+id/t4"

        android:layout_alignStart="@+id/t4"

        android:textColor="#1e55ff" />


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceMedium"

        android:text="Equation"

        android:id="@+id/res"

        android:layout_below="@+id/rsq"

        android:layout_alignParentLeft="true"

        android:layout_alignParentStart="true"

        android:textColor="#1e55ff" />


    <TextView

        android:layout_width="wrap_content"
```

```xml
    android:layout_height="wrap_content"

    android:textAppearance="?android:attr/textAppearanceMedium"

    android:text="Waiting"

    android:id="@+id/t1r"

    android:layout_above="@+id/t2"

    android:layout_alignParentRight="true"

    android:layout_alignParentEnd="true" />

<TextView

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:textAppearance="?android:attr/textAppearanceMedium"

    android:text="Waiting"

    android:id="@+id/t2r"

    android:layout_below="@+id/t1r"

    android:layout_alignParentRight="true"

    android:layout_alignParentEnd="true" />

<TextView

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:textAppearance="?android:attr/textAppearanceMedium"

    android:text="Waiting"

    android:id="@+id/t3r"

    android:layout_below="@+id/t2r"

    android:layout_alignParentRight="true"

    android:layout_alignParentEnd="true" />

<TextView
```

```
        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceMedium"

        android:text="Waiting"

        android:id="@+id/t4r"

        android:layout_below="@+id/t3r"

        android:layout_alignParentRight="true"

        android:layout_alignParentEnd="true" />


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceMedium"

        android:text="Waiting"

        android:id="@+id/err"

        android:layout_above="@+id/res"

        android:layout_alignParentRight="true"

        android:layout_alignParentEnd="true" />


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceMedium"

        android:text="a+bX"

        android:id="@+id/eqn"

        android:layout_below="@+id/err"

        android:layout_alignParentRight="true"

        android:layout_alignParentEnd="true" />
```

```xml
    <Button

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:text="Calculate"

        android:id="@+id/calc"

        android:layout_above="@+id/t1r"

        android:layout_centerHorizontal="true" />


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceMedium"

        android:text="By Prakhar Sharma"

        android:id="@+id/textView4"

        android:layout_alignParentBottom="true"

        android:layout_alignParentRight="true"

        android:layout_alignParentEnd="true"

        android:textColor="#3661ff" />


</RelativeLayout>
```

NOW THE PROBLEM IS

When I put some preknown values it shows wrong result

I tried Debugging too

Even If the input section is empty it shows same result

Looks like the answer is predetermined

I have sent an compiled apk file too

Since whatsapp cannot send apks so I renamed it to curvefitting.apk.pdf

Snap as it Opens

BlueStacks App Player — □ ✕

9:35

Curve Fitting

Type: Y=a+bX

X   Y

X	Y
0	0
0	0
0	0
0	0
0	0

CALCULATE

∑ X   Waiting
∑ X2   Waiting
∑ Y   Waiting
∑ XY   Waiting
Error   Waiting
Equation   a+bX

By Prakhar Sharma

Curve Fitting

Type: Y=a+bX

X   Y

0   0

0   0

0   0

0   0

0   0

CALCULATE

∑ X   2067530148
∑ X2   -547321382
∑ Y   2067530173
∑ XY   1200394766
Error   0
Equation   Y= 5+1X

Same result every time.

May be wrong initialization

By Prakhar Sharma