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package com.example.zzaier.myapplication;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

import java.text.DecimalFormat;

public class Main2Activity extends AppCompatActivity {
    String theReceivedName;
    double pi=3.14;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        Intent myNewIntent=getIntent();

         theReceivedName=myNewIntent.getStringExtra("theName");

        TextView myOutput=(TextView)findViewById(R.id.output1);

        myOutput.setText("The shape is "+ theReceivedName);

        EditText myInput1= (EditText)findViewById(R.id.input1);

        EditText myInput2= (EditText)findViewById(R.id.input2);

        EditText myInput3= (EditText)findViewById(R.id.input3);

if(theReceivedName.equals("Triangle") || theReceivedName.equals("Parallelogram")){
    myInput1.setHint("Please enter the base");
    myInput2.setHint("Please enter the height");
    myInput3.setVisibility(View.INVISIBLE);
}
        if(theReceivedName.equals("Square")){
            myInput1.setHint("Please enter the length of side");
            myInput2.setVisibility(View.INVISIBLE);
            myInput3.setVisibility(View.INVISIBLE);
        }

        if(theReceivedName.equals("Rectangle")){
            myInput1.setHint("Please enter the width");
            myInput2.setHint("Please enter the height");
            myInput3.setVisibility(View.INVISIBLE);
        }
        if(theReceivedName.equals("Trapezoid")){
            myInput1.setHint("Please enter the base 1");
            myInput2.setHint("Please enter the base 2");
            myInput3.setHint("Please enter the height");
        }

        if(theReceivedName.equals("Circle")){
            myInput1.setHint("Please enter the radius");
            myInput2.setVisibility(View.INVISIBLE);
            myInput3.setVisibility(View.INVISIBLE);
        }

        if(theReceivedName.equals("Sector")){
            myInput1.setHint("Please enter the radius");
            myInput2.setHint("Please enter the angle");
            myInput3.setVisibility(View.INVISIBLE);
        }
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        if(theReceivedName.equals("Ellipse")){
            myInput1.setHint("Please enter the axis 1");
            myInput2.setHint("Please enter the axis 2");
            myInput3.setVisibility(View.INVISIBLE);
        }
        //myInput2.setVisibility(View.GONE);
        //myButton.setEnabled(false);
    }


    public void compute(View myView){

        double result=0;


        TextView myOutput=(TextView)findViewById(R.id.output2);


        EditText myInput1= (EditText)findViewById(R.id.input1);

        EditText myInput2= (EditText)findViewById(R.id.input2);

        EditText myInput3= (EditText)findViewById(R.id.input3);


        if(theReceivedName.equals("Triangle") ){
            double a= Double.parseDouble(myInput1.getText().toString());
            double b= Double.parseDouble(myInput2.getText().toString());
            result=a*b/2;
        }

        if( theReceivedName.equals("Parallelogram")||theReceivedName.equals("Rectangle")){
            double a= Double.parseDouble(myInput1.getText().toString());
            double b= Double.parseDouble(myInput2.getText().toString());
            result=a*b;

        }
        if(theReceivedName.equals("Square")){
            double a= Double.parseDouble(myInput1.getText().toString());
            result=a*a;
        }


        if(theReceivedName.equals("Trapezoid")){
            double a= Double.parseDouble(myInput1.getText().toString());
            double b= Double.parseDouble(myInput2.getText().toString());
            double c= Double.parseDouble(myInput3.getText().toString());
            result=((a+b)/2)*c;
        }

        if(theReceivedName.equals("Circle")){
            double a= Double.parseDouble(myInput1.getText().toString());
            result=a*a*pi;

        }

        if(theReceivedName.equals("Sector")){
            double a= Double.parseDouble(myInput1.getText().toString());
            double b= Double.parseDouble(myInput2.getText().toString());

            result=a*a*b/2;

        }

        if(theReceivedName.equals("Ellipse")){
            double a= Double.parseDouble(myInput1.getText().toString());
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            double b= Double.parseDouble(myInput2.getText().toString());
            result=a*b*pi;
        }
        DecimalFormat myFormatter = new DecimalFormat("0.00");
        myOutput.setText(myFormatter.format(result));

    }
}
```