**Отчёт калькулятор Краски**

MainActivity

package com.example.kalkulyator;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.annotation.SuppressLint;  
import android.os.Bundle;  
import android.view.View;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.RadioButton;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
 public void onButtonClick(View view) {  
 EditText widthE = findViewById(R.id.*textView11*);  
 EditText heightE = findViewById(R.id.*textView12*);  
 EditText consupE = findViewById(R.id.*textView13*);  
 EditText layersE = findViewById(R.id.*textView14*);  
 EditText volumeE = findViewById(R.id.*textView15*);  
 RadioButton radioButton1 = findViewById(R.id.*radioButton*);  
 RadioButton radioButton2 = findViewById(R.id.*radioButton2*);  
 RadioButton radioButton3 = findViewById(R.id.*radioButton3*);  
  
 double width = Double.*parseDouble*(widthE.getText().toString());  
 double height = Double.*parseDouble*(heightE.getText().toString());  
 int layers = Integer.*parseInt*(layersE.getText().toString());  
 double consup = Double.*parseDouble*(consupE.getText().toString());  
 double volume = Double.*parseDouble*(volumeE.getText().toString());  
  
 double surface = width \* height;  
  
 double totalPaint = surface \* layers / consup;  
  
 double paintReverse = 1.0;  
 double canVolume = 0;  
  
 if (radioButton3.isChecked()) {  
 paintReverse = 1.0;  
 } else if (radioButton2.isChecked()){  
 paintReverse = 1.1;  
 } else {  
 paintReverse = 1.15;  
 }  
  
 canVolume = Math.*ceil*(totalPaint \* paintReverse / volume);  
 double paintCost = canVolume \* volume \* 100;  
  
 AlertDialog.Builder dialog = new AlertDialog.Builder(MainActivity.this);  
 dialog.setTitle("Результат:");  
 dialog.setMessage("Для покраски комнаты площадью " + surface + " кв. м. необходимо " + canVolume + " банок краски. Стоимость краски составит " + paintCost + " рублей.");  
 dialog.show();  
  
 }  
}

activity\_main

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView8"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Объём банки"  
 android:textSize="12dp"  
 android:textColor="#000000"  
 app:fontFamily="casual"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.554"  
 tools:layout\_editor\_absoluteX="60dp"  
 tools:ignore="MissingConstraints" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Параметры комнаты"  
 android:textColor="#000000"  
 android:textStyle="bold"  
 app:fontFamily="casual"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.039"  
 tools:layout\_editor\_absoluteX="60dp"  
 tools:ignore="MissingConstraints" />  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Параметр краски"  
 android:textColor="#000000"  
 android:textStyle="bold"  
 app:fontFamily="casual"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.301"  
 tools:layout\_editor\_absoluteX="60dp"  
 tools:ignore="MissingConstraints" />  
  
 <TextView  
 android:id="@+id/textView9"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Запас"  
 android:textColor="#000000"  
 android:textStyle="bold"  
 app:fontFamily="casual"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.644"  
 tools:layout\_editor\_absoluteX="62dp"  
 tools:ignore="MissingConstraints" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Ширина поверхности"  
 android:textSize="12dp"  
 android:textColor="#000000"  
 app:fontFamily="casual"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.087"  
 tools:layout\_editor\_absoluteX="62dp"  
 tools:ignore="MissingConstraints" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Высота(длина) поверхности"  
 android:textSize="12dp"  
 android:textColor="#000000"  
 app:fontFamily="casual"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.188"  
 tools:layout\_editor\_absoluteX="60dp"  
 tools:ignore="MissingConstraints" />  
  
 <TextView  
 android:id="@+id/textView6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Расход краски кв.м/л"  
 android:textSize="12dp"  
 android:textColor="#000000"  
 app:fontFamily="casual"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.356"  
 tools:layout\_editor\_absoluteX="62dp"  
 tools:ignore="MissingConstraints" />  
  
 <TextView  
 android:id="@+id/textView7"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Количество слоев"  
 android:textSize="12dp"  
 android:textColor="#000000"  
 app:fontFamily="casual"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.452"  
 tools:layout\_editor\_absoluteX="62dp"  
 tools:ignore="MissingConstraints" />  
  
 <EditText  
 android:id="@+id/textView11"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=" (м)"  
 android:textSize="12dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.206"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.12"  
 tools:ignore="MissingConstraints" />  
  
 <EditText  
 android:id="@+id/textView12"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=" (м)"  
 android:textSize="12dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.206"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.222"  
 tools:ignore="MissingConstraints" />  
  
 <EditText  
 android:id="@+id/textView13"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=" (м)"  
 android:textSize="12dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.206"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.395"  
 tools:ignore="MissingConstraints" />  
  
 <EditText  
 android:id="@+id/textView14"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=" (м)"  
 android:textSize="12dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.2"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.492"  
 tools:ignore="MissingConstraints" />  
  
 <EditText  
 android:id="@+id/textView15"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=" (м)"  
 android:textSize="12dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.2"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.596"  
 tools:ignore="MissingConstraints" />  
  
 <RadioButton  
 android:id="@+id/radioButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="10 % запаса"  
 android:textSize="12dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.192"  
 app:layout\_constraintStart\_toStartOf="parent"  
 tools:layout\_editor\_absoluteY="482dp"  
 tools:ignore="MissingConstraints" />  
  
 <RadioButton  
 android:id="@+id/radioButton2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="15 % запаса"  
 android:textSize="12dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.192"  
 app:layout\_constraintStart\_toStartOf="parent"  
 tools:layout\_editor\_absoluteY="530dp"  
 tools:ignore="MissingConstraints" />  
  
 <RadioButton  
 android:id="@+id/radioButton3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Без запаса"  
 android:textSize="12dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.189"  
 app:layout\_constraintStart\_toStartOf="parent"  
 tools:layout\_editor\_absoluteY="578dp"  
 tools:ignore="MissingConstraints" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="РАССЧИТАТЬ"  
 app:backgroundTint="#FF9800"  
 tools:layout\_editor\_absoluteX="62dp"  
 tools:layout\_editor\_absoluteY="632dp"  
 tools:ignore="MissingConstraints" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Результаты работы:

Ссылка: