Dialer program

Dialer.kt

package com.example.dialer2  
  
import android.content.Intent  
import android.net.Uri  
import android.os.Bundle  
import android.provider.ContactsContract  
import androidx.appcompat.app.AppCompatActivity  
import kotlinx.android.synthetic.main.activity\_main.\*  
  
  
class MainActivity : AppCompatActivity() {  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 zero.setOnClickListener **{** pressButton("0", true)  
 **}** one.setOnClickListener **{** pressButton("1", true)  
 **}** two.setOnClickListener **{** pressButton("2", true)  
 **}** three.setOnClickListener **{** pressButton("3", true)  
 **}** four.setOnClickListener **{** pressButton("4", true)  
 **}** five.setOnClickListener **{** pressButton("5", true)  
 **}** six.setOnClickListener **{** pressButton("6", true)  
 **}** seven.setOnClickListener **{** pressButton("7", true)  
 **}** eight.setOnClickListener **{** pressButton("8", true)  
 **}** nine.setOnClickListener **{** pressButton("9", true)  
 **}** star.setOnClickListener **{** pressButton("\*", true)  
 **}** hash.setOnClickListener **{** pressButton("#", true)  
 **}** clear.setOnClickListener **{** contact.*text* = ""  
 **}** call.setOnClickListener **{** val intent = Intent(Intent.*ACTION\_DIAL*, Uri.parse("tel:" + "${contact.*text*}"))  
 startActivity(intent)  
 **}** save.setOnClickListener **{** val intent = Intent(ContactsContract.Intents.*SHOW\_OR\_CREATE\_CONTACT*, Uri.parse("tel:" + contact.*text*))  
 intent.putExtra(ContactsContract.Intents.*EXTRA\_FORCE\_CREATE*, true)  
 startActivity(intent)  
 **}** }  
  
 private fun pressButton(string: String, clear: Boolean) {  
 if (!clear) {  
 contact.*text* = ""  
 } else {  
 contact.append(string)  
 }  
 }  
  
}

dialer.xml

<?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">  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent">  
  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/contact"  
 android:layout\_width="200dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:textSize="24sp"/>  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/clear"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/x"  
 android:textSize="24sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/one"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_1"  
 android:textSize="24sp" />  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/two"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_2"  
 android:textSize="24sp" />  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/three"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_3"  
 android:textSize="24sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/four"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_4"  
 android:textSize="24sp" />  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/five"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_5"  
 android:textSize="24sp" />  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/six"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_6"  
 android:textSize="24sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/seven"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_7"  
 android:textSize="24sp" />  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/eight"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_8"  
 android:textSize="24sp" />  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/nine"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_9"  
 android:textSize="24sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/star"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="\*"  
 android:textSize="24sp"  
 tools:ignore="HardcodedText" />  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/zero"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="@string/\_0"  
 android:textSize="24sp" />  
  
 <com.google.android.material.textview.MaterialTextView  
 android:id="@+id/hash"  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:gravity="center"  
 android:text="#"  
 android:textSize="24sp"  
 tools:ignore="HardcodedText" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <com.google.android.material.button.MaterialButton  
 android:id="@+id/call"  
 android:layout\_width="134dp"  
 android:layout\_height="54dp"  
 android:layout\_margin="8dp"  
 android:text="@string/call"/>  
  
 <com.google.android.material.button.MaterialButton  
 android:id="@+id/save"  
 android:layout\_width="134dp"  
 android:layout\_height="54dp"  
 android:layout\_margin="8dp"  
 android:text="@string/save"/>  
  
 </LinearLayout>  
  
  
 </LinearLayout>  
</androidx.constraintlayout.widget.ConstraintLayout>