package com.example.myapplicationgenerator

import android.os.Bundle

import android.widget.Button

import android.widget.TextView

import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

val generateButton = findViewById<Button>(R.id.generateButton)

val passwordTextView = findViewById<TextView>(R.id.passwordTextView)

generateButton.setOnClickListener {

val password = generatePassword()

passwordTextView.text = password

}

}

private fun generatePassword(): String {

val letters = "abcdefghijklmnopqrstuvwxyz"

val numbers = "0123456789"

val password = StringBuilder()

for (i in 0 until 10) {

if (i % 2 == 0) {

password.append(letters.random())

} else {

password.append(numbers.random())

}

}

return password.toString()

}

}

<?xml version="1.0" encoding="utf-8"?>

<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"

tools:context=".MainActivity">

<Button

android:id="@+id/generateButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="50dp"

android:text="Generate Password" />

<TextView

android:id="@+id/passwordTextView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="20sp"

android:layout\_centerHorizontal="true"

android:layout\_below="@id/generateButton"

android:layout\_marginTop="20dp"/>

</RelativeLayout>