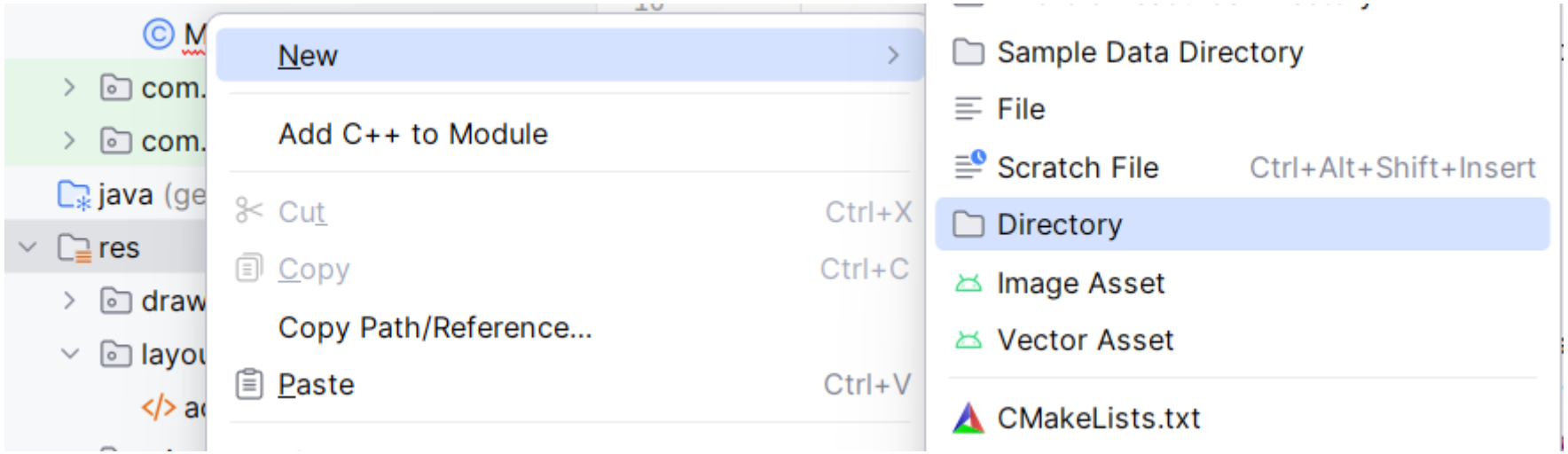
پخش صدا


com.
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res
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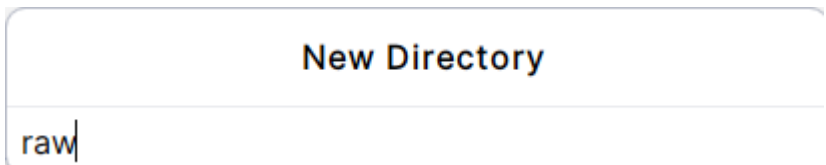
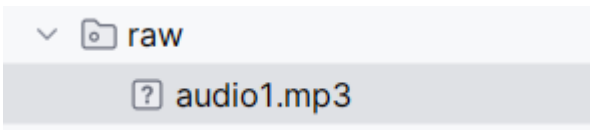
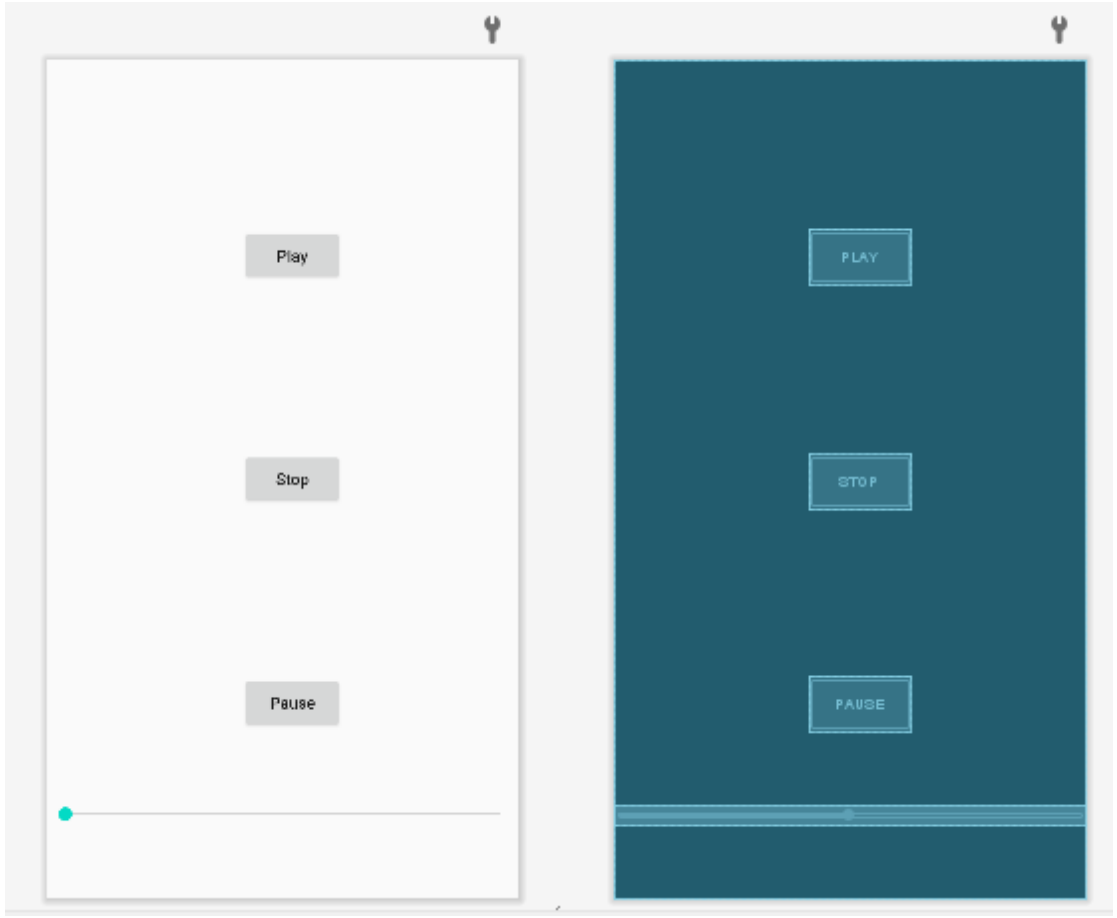
New
Add C++ to Module
Cut Ctrl+X
Copy Ctrl+C
Copy Path/Reference...
Paste Ctrl+V
Sample Data Directory
File
Scratch File Ctrl+Alt+Shift+Insert
Directory
Image Asset
Vector Asset
CMakeLists.txt


New Directory
raw


raw
audio1.mp3

Layout



activity_main.xml

```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">

    <Button
        android:id="@+id/stop"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/stop_text"
        android:textAllCaps="false"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/pause" />

    <Button
        android:id="@+id/play"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/play_text"
        android:textAllCaps="false"
        app:layout_constraintBottom_toTopOf="@+id/pause"
        app:layout_constraintEnd_toEndOf="@+id/pause"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="@+id/pause"
        app:layout_constraintTop_toTopOf="parent" />
```

```
31
32      <Button
33          android:id="@+id/pause"
34          android:layout_width="wrap_content"
35          android:layout_height="wrap_content"
36          android:text="@string/pause_text"
37          android:textAllCaps="false"
38          app:layout_constraintBottom_toTopOf="@+id/stop"
39          app:layout_constraintEnd_toEndOf="@+id/stop"
40          app:layout_constraintHorizontal_bias="0.0"
41          app:layout_constraintStart_toStartOf="@+id/stop"
42          app:layout_constraintTop_toBottomOf="@+id/play" />
43
44      <SeekBar
45          android:id="@+id/seekBar"
46          android:layout_width="0dp"
47          android:layout_height="wrap_content"
48          android:layout_marginBottom="44dp"
49          app:layout_constraintBottom_toBottomOf="parent"
50          app:layout_constraintEnd_toEndOf="parent"
51          app:layout_constraintStart_toStartOf="parent" />
52  </androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java

```java
import androidx.appcompat.app.AppCompatActivity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.os.Handler;
import android.view.View;
import android.widget.Button;
import android.widget.SeekBar;

public class MainActivity extends AppCompatActivity {

    10 usages
    MediaPlayer mediaPlayer;
    2 usages
    Button play, pause, stop;
    3 usages
    int length=0;
    4 usages
    SeekBar seekBar;
    3 usages
    Handler handler;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        play=findViewById(R.id.play);
        pause=findViewById(R.id.pause);
        stop=findViewById(R.id.stop);
        prepareMusic();
        handler=new Handler();
```

```
30          play.setOnClickListener(new View.OnClickListener() {
31              @Override
32              public void onClick(View view) {
33                  mediaPlayer.seekTo(length);
34                  mediaPlayer.start();
35              }
36          });
37
38          pause.setOnClickListener(new View.OnClickListener() {
39              @Override
40              public void onClick(View view) {
41                  if(mediaPlayer.isPlaying()){
42                      mediaPlayer.pause();
43                      length=mediaPlayer.getCurrentPosition();
44                  }
45              }
46          });
47
48          stop.setOnClickListener(new View.OnClickListener() {
49              @Override
50              public void onClick(View view) {
51                  mediaPlayer.stop();
52                  length=0;
53                  prepareMusic();
54              }
55          });
56
57          seekBar=findViewById(R.id.seekBar);
58          seekBar.setMax(mediaPlayer.getDuration());
```

```
60          UpdateSeekBar updateSeekBar=new UpdateSeekBar();
61          handler.post(updateSeekBar);
62
63          seekBar.setOnSeekBarChangeListener(new SeekBar.OnSeekBarChangeListener() {
                1 usage
64              @Override
65              public void onProgressChanged(SeekBar seekBar, int i, boolean b) {
66                  mediaPlayer.seekTo(i);
67              }
68
                1 usage
69              @Override
70              public void onStartTrackingTouch(SeekBar seekBar) {
71
72              }
73
                1 usage
74              @Override
75              public void onStopTrackingTouch(SeekBar seekBar) {
76
77              }
78          });
79
80      }//onCreate
```

```
    2 usages
82  class UpdateSeekBar implements Runnable{
83
84      @Override
85      public void run() {
86          seekBar.setProgress(mediaPlayer.getCurrentPosition());
87          handler.postDelayed( r: this, delayMillis: 100);
88      }
89  }
90
    2 usages
91  private void prepareMusic() {
92      mediaPlayer=MediaPlayer.create(getApplicationContext(),R.raw.audio1);
93  }
94 }
```