

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:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="media Player Lab 8"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        tools:layout_editor_absoluteX="0dp"
        tools:layout_editor_absoluteY="0dp">

        <Button
            android:id="@+id/Playbtn"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:onClick="Music"
            android:text="Play" />

        <Button
            android:id="@+id/Pausebtn"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:onClick="Music"
            android:text="Pause" />

        <Button
            android:id="@+id/Stopbtn"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:onClick="Music"
            android:text="Stop" />

    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity

```
package com.example.media_player_lab8;
import androidx.appcompat.app.AppCompatActivity;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    MediaPlayer mediaPlayer;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        mediaPlayer=null;
    }
    public void Music(View view){

        int id = view.getId();
        if(id ==R.id.Playbtn) {
            if (mediaPlayer == null) {
                mediaPlayer = MediaPlayer.create(this, R.raw.sound);
                mediaPlayer.start();
            }
            mediaPlayer.setOnCompletionListener(new MediaPlayer.OnCompletionListener() {
                @Override
                public void onCompletion(MediaPlayer mp) {
                    stopMusic();
                }
            });
        }

        else if(id == R.id.Pausebtn){
            if(mediaPlayer!=null) {
                mediaPlayer.pause();
            }
        }

        else if(id ==R.id.Stopbtn){
            if(mediaPlayer!=null){
                mediaPlayer.stop();
                stopMusic();
            }
        }
    }
}
```

```
    }  
  }  
}
```

```
public void stopMusic() {  
    mediaPlayer.release();  
    mediaPlayer = null;  
    Toast.makeText(this, "Mediaplayer Released", Toast.LENGTH_SHORT).show();  
}
```

```
@Override  
protected void onStop() {  
    super.onStop();  
    stopMusic();  
}  
}
```

res->new directory(create file name raw for mp3)