

Aim :- Write a program to play audio files.

Procedure:-

There are many methods of MediaPlayer class. Some of them are as follows:-

Method	Description
public void setDataSource(String path)	sets the data source (file path or http url) to use.
public void prepare()	prepares the player for playback synchronously.
public void start()	it starts or resumes the playback.
public void stop()	it stops the playback.
public void pause()	it pauses the playback.
public boolean isPlaying()	checks if media player is playing.
public void seekTo(int millis)	seeks to specified time in milliseconds.
public void setLooping(boolean looping)	sets the player for looping or non-looping.
public boolean isLooping()	checks if the player is looping or non-looping.
public void selectTrack(int index)	it selects a track for the specified index.
public int getCurrentPosition()	returns the current playback position.
public int getDuration()	returns duration of the file.
public void setVolume(float leftVolume,float rightVolume)	sets the volume on this player.

Code:-

```
package com.example.audiomediaplayer1;

import android.media.MediaPlayer;
import android.net.Uri;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.widget.MediaController;
import android.widget.VideoView;

public class MainActivity extends Activity {

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

        MediaPlayer mp=new MediaPlayer();
        try{
            mp.setDataSource("/sdcard/Music/main.mp3");//Write your location here
            mp.prepare();
            mp.start();

        }catch(Exception e){e.printStackTrace();}

    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.activity_main, menu);
        return true;
    }
}
```

```
<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"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".MainActivity" >
```

```
<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_marginTop="30dp"
    android:text="Audio Controller" />
```

```
<Button
    android:id="@+id/button1"
    style="?android:attr/buttonStyleSmall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView1"
    android:layout_below="@+id/textView1"
    android:layout_marginTop="48dp"
    android:text="start" />
```

```
<Button
    android:id="@+id/button2"
    style="?android:attr/buttonStyleSmall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
android:layout_alignTop="@+id/button1"  
android:layout_toRightOf="@+id/button1"  
android:text="pause" />
```

```
<Button  
    android:id="@+id/button3"  
    style="?android:attr/buttonStyleSmall"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignTop="@+id/button2"  
    android:layout_toRightOf="@+id/button2"  
    android:text="stop" />
```

```
</RelativeLayout>
```

```
package com.example.audioplay;
```

```
import android.media.MediaPlayer;  
import android.os.Bundle;  
import android.os.Environment;  
import android.app.Activity;  
import android.view.Menu;  
import android.view.View;  
import android.view.View.OnClickListener;  
import android.widget.Button;
```

```
public class MainActivity extends Activity {  
    Button start,pause,stop;  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);
```

```
start=(Button)findViewById(R.id.button1);
pause=(Button)findViewById(R.id.button2);
stop=(Button)findViewById(R.id.button3);
final MediaPlayer mp=new MediaPlayer();
try{
    mp.setDataSource(Environment.getExternalStorageDirectory().getPath()+"/Music/main.mp3");

    mp.prepare();
}catch(Exception e){e.printStackTrace();}

start.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View v) {
        mp.start();
    }
});
pause.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View v) {
        mp.pause();
    }
});
stop.setOnClickListener(new OnClickListener() {
    @Override
    public void onClick(View v) {
        mp.stop();
    }
});
}
```

Output:

