[2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT]

Practical: 6

AIM- Create an MP3 player application by using service.

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Practical-6

AIM : Create an MP3 player application by using service.

MainActivity.kt :

```kotlin
package com.example.mad_practical6_21012011099

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import com.google.android.material.floatingactionbutton.FloatingActionButton

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        var play:FloatingActionButton = findViewById(R.id.play)
        var stop:FloatingActionButton = findViewById(R.id.stop)
        var Flag:Boolean=false

        play.setOnClickListener(){
            if(Flag==false)
            {
play.setImageDrawable(resources.getDrawable(R.drawable.baseline_pause_24))
                Flag=true
            }
            else
            {
play.setImageDrawable(resources.getDrawable(R.drawable.baseline_play_arrow_24))
                Flag=false
            }
            play()
        }

        stop.setOnClickListener(){
            if(Flag==true)
            {
play.setImageDrawable(resources.getDrawable(R.drawable.baseline_play_arrow_24))
                Flag=false
            }
            stop()
        }
    }



    fun play(){
```

```
Intent(applicationContext,MyService::class.java).putExtra(MyService.PLAYERKEY,MyServ
ice.PLAYERVALUE).apply{
        startService(this)
    }
}
fun stop(){

Intent(applicationContext,MyService::class.java).putExtra(MyService.PLAYERKEY,MyServ
ice.PLAYERVALUE).apply{
        stopService(this)
    }
}
}
```

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">

    <TextView
        android:id="@+id/text"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="50dp"
        android:text="MP3 Player"
        android:textSize="20dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <com.google.android.material.card.MaterialCardView
        android:id="@+id/material1"
        android:layout_width="match_parent"
        android:layout_height="300dp"
        android:layout_marginHorizontal="30dp"
        android:layout_marginTop="20dp"
        app:layout_constraintTop_toBottomOf="@+id/text"
        app:cardCornerRadius="20dp">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.5"
            app:layout_constraintStart_toStartOf="parent">

            <ImageView
                android:id="@+id/imageView"
```

```xml
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:srcCompat="@drawable/img_1" />

    </androidx.constraintlayout.widget.ConstraintLayout>

</com.google.android.material.card.MaterialCardView>

<com.google.android.material.card.MaterialCardView
    android:layout_width="match_parent"
    android:layout_height="150dp"
    android:layout_marginHorizontal="30dp"
    android:layout_marginTop="20dp"
    app:layout_constraintTop_toBottomOf="@+id/material1"
    app:cardCornerRadius="20dp">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <TextView
            android:id="@+id/textView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="20dp"
            android:layout_marginTop="20dp"
            android:text="Safar (jab Harry met Sejal)"
            android:textSize="15dp"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

        <com.google.android.material.floatingactionbutton.FloatingActionButton
            android:id="@+id/play"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:clickable="true"
            android:tintMode="@color/white"
            android:backgroundTint="#7B3F00"
            app:fabCustomSize="65dp"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView"
            app:srcCompat="@drawable/baseline_play_arrow_24" />

        <com.google.android.material.floatingactionbutton.FloatingActionButton
            android:id="@+id/previous"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginEnd="5dp"
            android:clickable="true"
            android:tintMode="@color/white"
            android:backgroundTint="#3A3B3C"
            app:fabCustomSize="55dp"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toStartOf="@+id/play"
```

```
        app:layout_constraintTop_toBottomOf="@+id/textView"
        app:srcCompat="@drawable/baseline_skip_previous_24" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/shuffle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:clickable="true"
        android:layout_marginEnd="2dp"
        android:tintMode="@color/white"
        android:backgroundTint="#3A3B3C"
        app:fabCustomSize="45dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toStartOf="@+id/previous"
        app:layout_constraintTop_toBottomOf="@+id/textView"
        app:srcCompat="@drawable/baseline_shuffle_24" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/next"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="5dp"
        android:clickable="true"
        android:tintMode="@color/white"
        android:backgroundTint="#3A3B3C"
        app:fabCustomSize="55dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toEndOf="@+id/play"
        app:layout_constraintTop_toBottomOf="@+id/textView"
        app:srcCompat="@drawable/baseline_skip_next_24" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/stop"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:clickable="true"
        android:layout_marginStart="2dp"
        android:tintMode="@color/white"
        android:backgroundTint="#3A3B3C"
        app:fabCustomSize="45dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toEndOf="@+id/next"
        app:layout_constraintTop_toBottomOf="@+id/textView"
        app:srcCompat="@drawable/baseline_stop_24" />

    </androidx.constraintlayout.widget.ConstraintLayout>

    </com.google.android.material.card.MaterialCardView>

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

Output :