**Practical 8**

Programs on Services, notification and broadcast receivers

**Pract 8th A**

**Main Activity.xml**

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

<LinearLayout 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"

android:gravity="center"

android:padding="16dp"

android:orientation="vertical"

tools:context=".MainActivity">

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/btn\_start\_service"

android:text="Start Music"/>

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:id="@+id/btn\_stop\_service"

android:text="Stop Music"/>

</LinearLayout>

**Music Service.kt**

package com.example.pract8

import android.content.Intent

import android.media.MediaPlayer

import android.os.IBinder

import android.provider.Settings

import android.app.Service

class MusicService: Service(){

private lateinit var player: MediaPlayer

override fun onStartCommand(intent: Intent,flags:Int,StartId:Int):Int{

player=MediaPlayer.create(this,Settings.System.DEFAULT\_RINGTONE\_URI)

player.setLooping(true)

player.start()

return START\_STICKY

}

override fun onDestroy(){

super.onDestroy()

player.stop()

}

override fun onBind(intent: Intent):IBinder?{

return null

}

}

**Android Manifest.xml**

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools">

<application

android:allowBackup="true"

android:dataExtractionRules="@xml/data\_extraction\_rules"

android:fullBackupContent="@xml/backup\_rules"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:supportsRtl="true"

android:theme="@style/Theme.Pract8"

tools:targetApi="31">

<activity

android:name=".MainActivity"

android:exported="true">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<service android:name=".MusicService" android:enabled="true"/>

</application>

</manifest>

**Main Activity.Kt**

package com.example.pract8

import android.content.Intent

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

import android.widget.Button

class MainActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

val btn\_start = findViewById<Button>(R.id.btn\_start\_service)

val btn\_stop= findViewById<Button>(R.id.btn\_stop\_service)

btn\_start.setOnClickListener{

startService(Intent(this,MusicService::class.java))

}

btn\_stop.setOnClickListener{

stopService(Intent(this,MusicService::class.java))

}

}

}