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Practical No: 20

1. Write a program to implement service.

MyService.java

package com.example.mad\_playground;  
  
import android.app.Service;  
import android.content.Intent;  
import android.media.MediaPlayer;  
import android.os.IBinder;  
import android.provider.Settings;  
  
import androidx.annotation.Nullable;  
  
public class MyService extends Service {  
 MediaPlayer player;  
 @Nullable  
 @Override  
 public IBinder onBind(Intent intent) {  
 return null;  
 }  
 @Override  
 public int onStartCommand(Intent intent, int flags, int startId) {  
 player = MediaPlayer.*create*(this, Settings.System.*DEFAULT\_RINGTONE\_URI*);  
 player.setLooping(true);  
 player.start();  
 return *START\_STICKY*;  
 }  
 @Override  
 public void onDestroy() {  
 super.onDestroy();  
 player.stop();  
 }  
}

MainActivity.java

package com.example.mad\_playground;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
 String LifeCycle = "My Main Activity LifeCycle";  
 Button startBtn;  
 Button stopBtn;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Log.*d*(LifeCycle, "onCreate() ---> called");  
 startBtn = (Button) findViewById(R.id.*startBtn*);  
 stopBtn = (Button) findViewById(R.id.*stopBtn*);  
 startBtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 startService(new Intent(MainActivity.this, MyService.class));  
 Toast.*makeText*(MainActivity.this, "Service Started", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 stopBtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 stopService(new Intent(MainActivity.this, MyService.class));  
 Toast.*makeText*(MainActivity.this, "Service Stopped", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

OUTPUT:

 