**Date:- / /**

**Roll No:- 129**

**Practical No:-13**

**Practical Name:- Write a background service that will open activity on specific time.**

**----------------------------------------------------------------------------------------------------------------------------------------**

**Activity \_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout 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">  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Start"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="103dp" />  
  
 <EditText  
 android:id="@+id/time"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="22dp"  
 android:ems="10" />  
  
</RelativeLayout>

**my broadcast receiver**

package com.example.alarm;  
  
import android.content.BroadcastReceiver;  
import android.content.Context;  
import android.content.Intent;  
import android.media.MediaPlayer;  
import android.widget.Toast;  
  
public class MyBroadcastReceiver extends BroadcastReceiver {  
 MediaPlayer mp;  
 @Override  
 public void onReceive(Context context, Intent intent) {  
 mp=MediaPlayer.*create*(context, R.raw.*alarm* );  
 mp.start();  
 Toast.*makeText*(context, "Alarm....", Toast.*LENGTH\_LONG*).show();  
 }  
}

**Activity\_main.java**

package com.example.alarm;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.app.AlarmManager;  
import android.app.PendingIntent;  
import android.content.Intent;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 Button start;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 start= findViewById(R.id.*button*);  
  
 start.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 startAlert();  
 }  
 });  
 }  
  
 public void startAlert(){  
 EditText text = findViewById(R.id.*time*);  
 int i = Integer.*parseInt*(text.getText().toString());  
 Intent intent = new Intent(this, MyBroadcastReceiver.class);  
 PendingIntent pendingIntent = PendingIntent.*getBroadcast*(  
 this.getApplicationContext(), 234324243, intent, 0);  
 AlarmManager alarmManager = (AlarmManager) getSystemService(*ALARM\_SERVICE*);  
 alarmManager.set(AlarmManager.*RTC\_WAKEUP*, System.*currentTimeMillis*()  
 + (i \* 1000), pendingIntent);  
 Toast.*makeText*(this, "Alarm set in " + i + " seconds",Toast.*LENGTH\_LONG*).show();  
 }  
}

**OUTPUT:-**

