```
// ex11 main.java
public class ex11 main extends AppCompatActivity {
  Calendar calendar;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState):
     setContentView(R.layout.ex11 main);
     final EditText et time=findViewById(R.id.et time);
     final AlarmManager
alarmManager=(AlarmManager)getSystemService(ALARM SERVICE);
     final Intent i1=new Intent(getApplicationContext(),alarm.class);
     final PendingIntent pd=PendingIntent.getBroadcast(getApplicationContext(),0,i1,0);
     calendar=Calendar.getInstance();
     et time.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View v) {
         new TimePickerDialog(ex11 main.this, new
TimePickerDialog.OnTimeSetListener() {
            @Override
            public void onTimeSet(TimePicker view, int hourOfDay, int minute) {
              et time.setText(Integer.toString(hourOfDay)+":"+Integer.toString(minute));
              calendar.set(Calendar.HOUR OF DAY,hourOfDay);
              calendar.set(Calendar.MINUTE,minute);
alarmManager.setExact(AlarmManager.RTC WAKEUP,calendar.getTimeInMillis(),pd);
              Toast.makeText(ex11_main.this, "Alarm ON",
Toast.LENGTH SHORT).show();
         },calendar.get(Calendar.HOUR_OF_DAY),
calendar.get(Calendar.MINUTE),false).show();
    });
  }
```

```
// ex11 main.xml
<?xml version="1.0" encoding="utf-8"?>
<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"
  tools:context="cocomo.lab.ex11 main">
  <EditText
     android:id="@+id/et time"
     android: layout width="match parent"
     android:layout height="wrap content"/>
</RelativeLayout>
// alarm.java
import android app NotificationManager;
import android.app.PendingIntent;
import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.media.Ringtone;
import android media. Ringtone Manager;
import android.net.Uri;
import android.support.v4.app.NotificationCompat;
public class alarm extends BroadcastReceiver {
  @Override
  public void onReceive(Context context, Intent intent) {
     Uri uri= RingtoneManager.getDefaultUri(RingtoneManager.TYPE ALARM);
     Ringtone ringtone=RingtoneManager.getRingtone(context,uri);
     ringtone.play();
     PendingIntent pd=PendingIntent.getActivity(context,0,intent,0);
     NotificationCompat.Builder builder=new NotificationCompat.Builder(context);
     builder.setSmallIcon(R.mipmap.ic_launcher_round);
     builder.setContentIntent(pd);
     builder.setContentTitle("Alarm");
     builder.setContentText("Wake up");
     NotificationManager notificationManager=(NotificationManager)
context.getSystemService(Context.NOTIFICATION_SERVICE):
     notificationManager.notify(1,builder.build());
  }
}
```

