**package** com.example.krukm.myapplication;  
  
**import** android.hardware.Sensor;  
**import** android.hardware.SensorManager;  
**import** android.os.Bundle;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.view.Menu;  
**import** android.view.MenuItem;  
**import** android.view.View;  
**import** android.widget.TextView;  
  
**import** java.util.List;  
  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 TextView **tv1**=**null**;  
 **private** SensorManager **mSensorManager**;  
 @Override  
  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **tv1** = (TextView) findViewById(R.id.***textView2***);  
 **tv1**.setVisibility(View.***GONE***);  
  
 **mSensorManager** = (SensorManager) getSystemService(***SENSOR\_SERVICE***);  
 List<Sensor> mList= **mSensorManager**.getSensorList(Sensor.***TYPE\_ALL***);  
  
 **for** (**int** i = 1; i < mList.size(); i++) {  
 **tv1**.setVisibility(View.***VISIBLE***);  
 **tv1**.append(**"\n"** + mList.get(i).getName() + **"\n"** + mList.get(i).getVendor() + **"\n"** + mList.get(i).getVersion());  
 }  
 }  
 @Override  
 **public boolean** onCreateOptionsMenu(Menu menu) {  
  **return true**;  
 }  
  
 @Override  
 **public boolean** onOptionsItemSelected(MenuItem item) {  
 **int** id = item.getItemId();  
  
  **return super**.onOptionsItemSelected(item);  
 }  
}

*<?***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" android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 tools:context=".MainActivity"  
 android:transitionGroup="true"**>  
  
 <**TextView android:text="Sensor " android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textview"  
 android:textSize="35dp"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Tutorials point"  
 android:id="@+id/textView"  
 android:layout\_below="@+id/textview"  
 android:layout\_centerHorizontal="true"  
 android:textColor="#ff7aff24"  
 android:textSize="35dp"** />  
  
 <**ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/imageView"  
 android:src="@drawable/abc"  
 android:layout\_below="@+id/textView"  
 android:layout\_centerHorizontal="true"  
 android:theme="@style/Base.TextAppearance.AppCompat"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="New Text"  
 android:id="@+id/textView2"  
 android:layout\_below="@+id/imageView"  
 android:layout\_alignParentBottom="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
</**RelativeLayout**>

<**resources**>  
 <**string name="app\_name"**>My Application</**string**>  
 <**string name="hello\_world"**>Hello world!</**string**>  
 <**string name="action\_settings"**>Settings</**string**>  
</**resources**>

**Używanie sensorów:**

SensorManager sMgr;

sMgr = (SensorManager)this.getSystemService(SENSOR\_SERVICE);

Sensor light;

light = sMgr.getDefaultSensor(Sensor.TYPE\_LIGHT);

sMgr.registerListener(this, light,SensorManager.SENSOR\_DELAY\_NORMAL);

public void onAccuracyChanged(Sensor sensor, int accuracy) {

}

public void onSensorChanged(SensorEvent event) {

}