

LAPORAN PRAKTIKUM
PEMROGRAMAN PERANGKAT BERGERAK (Mobile)
“Using Preferences”



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1. SharedPreferences

- **Source Code**
- **MainActivity.java**

```
package com.example.usingpreferences;

import android.content.ServiceConnection;
import android.support.v7.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void onClickLoad(View view) {
        Intent i = new Intent(MainActivity.this,
AppPreferenceActivity.class);
        startActivity(i);
    }
}
```

- **AppPreferenceActivity.java**

```
package com.example.usingpreferences;

import android.os.Bundle;
import android.preference.PreferenceActivity;
import android.preference.PreferenceFragment;
import android.preference.PreferenceManager;
import java.util.List;
public class AppPreferenceActivity extends PreferenceActivity {
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
    }
    @Override
    public void onBuildHeaders(List<Header> target) {
        loadHeadersFromResource(R.xml.prefheaders, target);
    }
    @Override
    protected boolean isValidFragment(String fragmentName) {
        return true;
    }
    public static class PrefFragment extends PreferenceFragment {
        @Override
        public void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            PreferenceManager.setDefaultValues(getActivity(),
                R.xml.myapppreferences, false);
            // Load the preferences from an XML resource
            addPreferencesFromResource(R.xml.myapppreferences);
        }
    }
}
```

- **Activity_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
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:text="Load Preferences Screen"
        android:layout_width="310dp"
        android:layout_height="wrap_content"
        android:id="@+id/btnPreferences"
        app:layout_constraintLeft_toLeftOf="@+id/activity_main"
        android:layout_marginStart="40dp"
        app:layout_constraintTop_toTopOf="@+id/activity_main"
        android:layout_marginTop="16dp"
        app:layout_constraintRight_toRightOf="@+id/activity_main"
        android:layout_marginEnd="16dp"
        app:layout_constraintBottom_toBottomOf="@+id/activity_main"
        android:layout_marginBottom="16dp"
        app:layout_constraintVertical_bias="0.0"
        android:onClick="onClickLoad"/>
    <Button
        android:text="Display Preferences Values"
        android:layout_width="310dp"
        android:layout_height="wrap_content"
        android:id="@+id/btnDisplayValues"
        app:layout_constraintLeft_toLeftOf="@+id/btnPreferences"
        app:layout_constraintTop_toBottomOf="@+id/btnPreferences"
        android:layout_marginTop="16dp"
        app:layout_constraintRight_toRightOf="@+id/btnPreferences"
        android:onClick="onClickDisplay"/>
    <EditText
        android:layout_width="310dp"
        android:layout_height="wrap_content"
        android:inputType="textPersonName"
        android:ems="10"
        android:id="@+id/editText"
        app:layout_constraintLeft_toLeftOf="@+id/btnPreferences"
        app:layout_constraintTop_toBottomOf="@+id/btnDisplayValues"
        android:layout_marginTop="16dp"
        app:layout_constraintRight_toRightOf="@+id/btnPreferences" />
    <Button
        android:text="Modify Preferences Values"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:id="@+id/btnModifyValues"
        app:layout_constraintLeft_toLeftOf="@+id/btnDisplayValues"
        app:layout_constraintTop_toBottomOf="@+id/editText"
        android:layout_marginTop="16dp"
        app:layout_constraintRight_toRightOf="@+id/btnDisplayValues"
        android:onClick="onClickModify" />

</android.support.constraint.ConstraintLayout>
```

- **Myapppreferences.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<PreferenceScreen
    xmlns:android="http://schemas.android.com/apk/res/android">
    <PreferenceCategory android:title="Category 1">
        <CheckBoxPreference
            android:title="Checkbox"
            android:defaultValue="false"
            android:summary="True or False"
            android:key="checkboxPref" />
    </PreferenceCategory>
    <PreferenceCategory android:title="Category 2">
        <EditTextPreference
            android:summary="Enter a string"
            android:defaultValue="[Enter a string here]"
            android:title="Edit Text"
            android:key="editTextPref" />
        <RingtonePreference
            android:summary="Select a ringtone"
            android:title="Ringtones"
            android:key="ringtonePref" />
    </PreferenceCategory>
    <PreferenceScreen
        android:title="Second Preference Screen"
        android:summary=
            "Click here to go to the second Preference Screen"
        android:key="secondPrefScreenPref" >
        <EditTextPreference
            android:summary="Enter a string"
            android:title="Edit Text (second Screen)"
            android:key="secondEditTextPref" />
    </PreferenceScreen>
</PreferenceCategory>
</PreferenceScreen>
```

- **Prefheaders.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<preference-headers
    xmlns:android="http://schemas.android.com/apk/res/android">
    <header android:fragment=
        "com.example.usingpreferences.AppPreferenceActivity$PrefFragment"
        android:title="Preferences"
        android:summary="Sample preferences" />
</preference-headers>
```

- **Hasil Program**







