**Practical :12**

Aim: **Use an Options Menu and Radio Buttons.**

* Set up an options menu and overflow menu
* Add items to the option (overflow) menu.
* Add radio buttons for user selection.
* Add Up navigation to the app bar.
* **AndroidManifest.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.sachin.practical12"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:supportsRtl="true"  
 android:theme="@style/AppTheme"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 <**activity android:name=".About" android:parentActivityName=".MainActivity"**>  
 </**activity**>  
 <**activity android:name=".Help" android:parentActivityName=".MainActivity"**></**activity**>  
 </**application**>  
  
</**manifest**>

* **menu.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**menu xmlns:android="http://schemas.android.com/apk/res/android"**>  
  
 <**item android:id="@+id/about"  
 android:title="About"** />  
 <**item android:id="@+id/help"  
 android:title="Help"** />  
</**menu**>

* **activity\_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:id="@+id/activity\_main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.sachin.practical12.MainActivity"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"** />  
</**RelativeLayout**>

* **about.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="About Page"  
 android:textStyle="bold|italic"  
 android:id="@+id/tv1"  
 android:textColor="@color/colorPrimary"  
 android:textSize="30sp"  
 android:layout\_centerVertical="true"  
 android:layout\_centerHorizontal="true"** />  
  
</**RelativeLayout**>

* **help.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:id="@+id/tv1"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Help Page"  
 android:textStyle="bold"  
 android:textColor="@color/colorPrimary"  
 android:textSize="30sp"  
 android:layout\_centerVertical="true"  
 android:layout\_centerHorizontal="true"** />  
  
</**RelativeLayout**>

* **MainActivity.java**

**package** com.example.sachin.practical12;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.Menu;  
**import** android.view.MenuInflater;  
**import** android.view.MenuItem;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
  
 **public void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
  
 **public boolean** onCreateOptionsMenu(Menu menu) {  
 MenuInflater inflater = getMenuInflater();  
 inflater.inflate(R.menu.***menu***, menu);  
 **return true**;  
 }  
  
 **public boolean** onOptionsItemSelected(MenuItem item) {  
 **switch** (item.getItemId()) {  
 **case** R.id.***about***:  
 Intent i=**new** Intent(MainActivity.**this**,About.**class**);  
 startActivity(i);  
 **return true**;  
 **case** R.id.***help***:  
 Intent i1=**new** Intent(MainActivity.**this**,Help.**class**);  
 startActivity(i1);  
 **return true**;  
 **default**:  
 **return super**.onOptionsItemSelected(item);  
 }  
 }  
}

* **Help.java**
* **package** com.example.sachin.practical12;  
    
  **import** android.os.Bundle;  
  **import** android.support.annotation.Nullable;  
  **import** android.support.v7.app.ActionBar;  
  **import** android.support.v7.app.AppCompatActivity;  
    
  */\*\*  
   \* Created by sAcHin on 01-Apr-17.  
   \*/***public class** Help **extends** AppCompatActivity {  
   @Override  
   **protected void** onCreate(@Nullable Bundle savedInstanceState) {  
   **super**.onCreate(savedInstanceState);  
   setContentView(R.layout.***help***);  
   ActionBar actionBar = getSupportActionBar();  
   actionBar.setHomeButtonEnabled(**true**);  
   actionBar.setDisplayHomeAsUpEnabled(**true**);  
   }  
  }
* **About.java**

**package** com.example.sachin.practical12;  
  
**import** android.os.Bundle;  
**import** android.support.annotation.Nullable;  
**import** android.support.v7.app.ActionBar;  
**import** android.support.v7.app.AppCompatActivity;  
  
*/\*\*  
 \* Created by sAcHin on 01-Apr-17.  
 \*/***public class** About **extends** AppCompatActivity {  
 @Override  
 **protected void** onCreate(@Nullable Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***about***);  
  
 ActionBar actionBar = getSupportActionBar();  
 actionBar.setHomeButtonEnabled(**true**);  
 actionBar.setDisplayHomeAsUpEnabled(**true**);  
 }  
}

* **output:**



