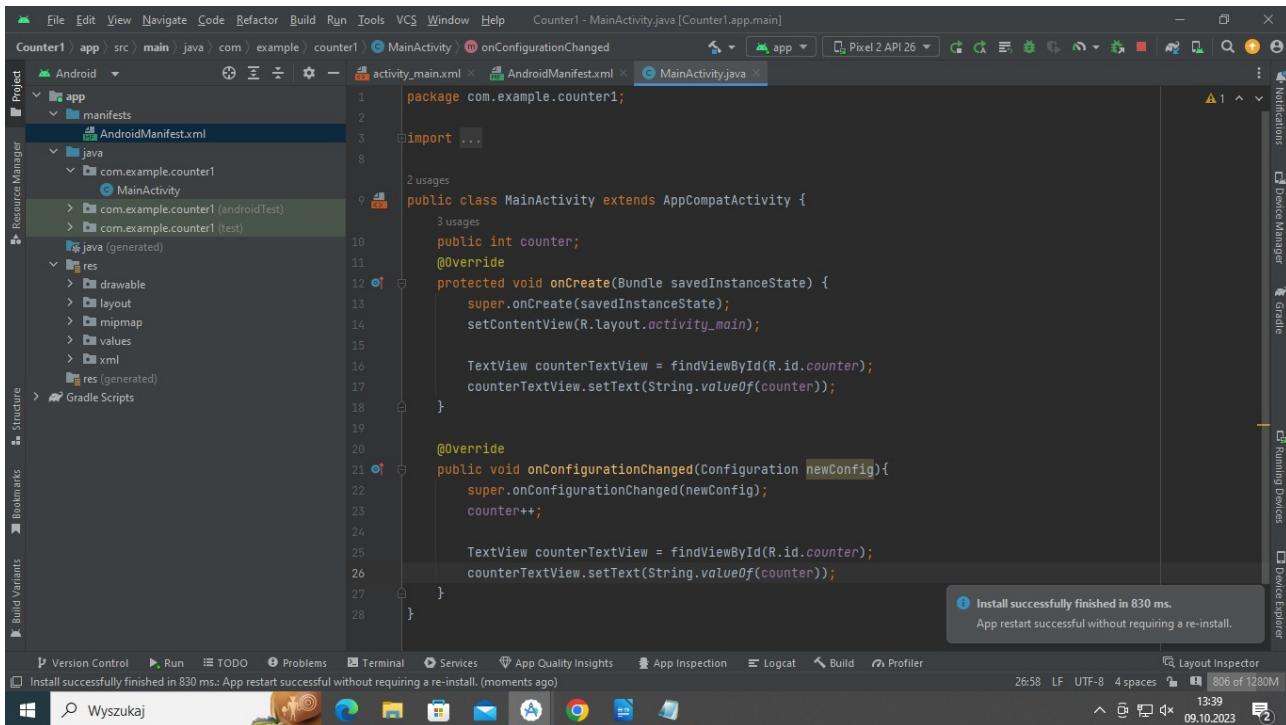


# Michał Wiliński zadanie 6.10

kod:



The screenshot shows the Android Studio interface with the project 'Counter1' open. The code editor displays the MainActivity.java file, which contains Java code for a counter application. The code includes imports, class definitions, and overridden methods for configuration changes. A message at the bottom right indicates a successful install and restart.

```
package com.example.counter1;
import ...;

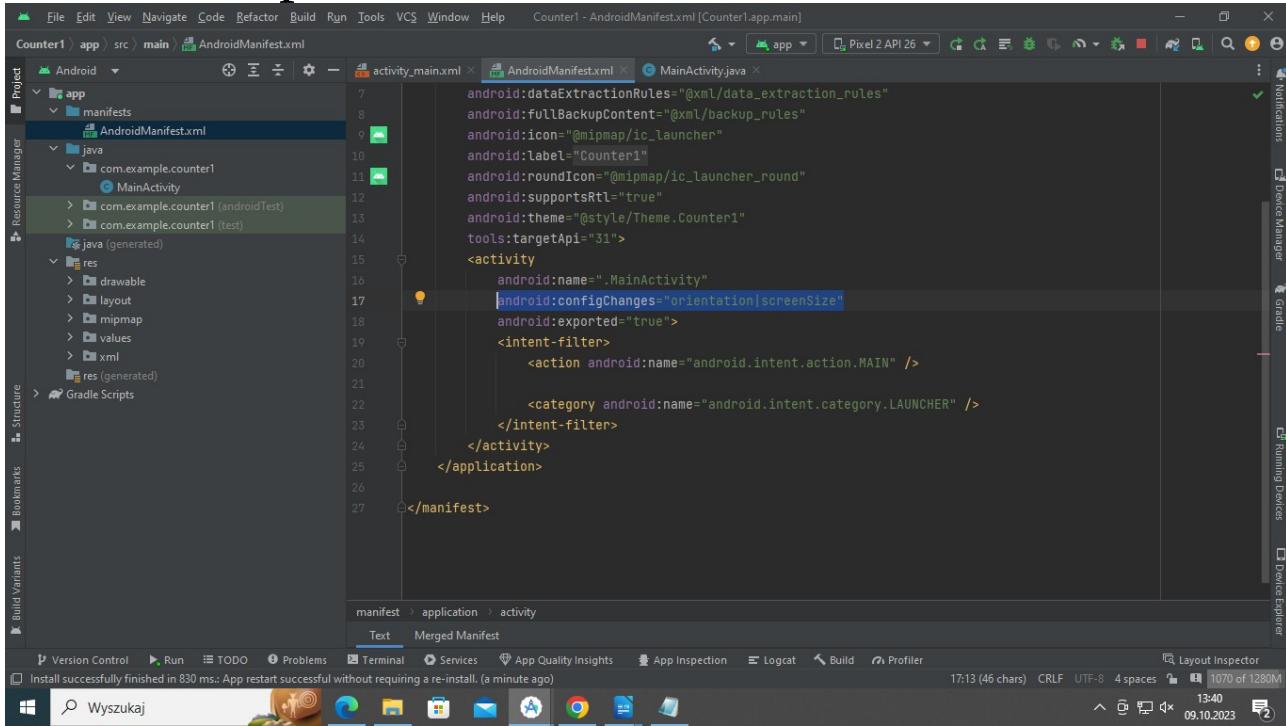
public class MainActivity extends AppCompatActivity {
    public int counter;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        TextView counterTextView = findViewById(R.id.counter);
        counterTextView.setText(String.valueOf(counter));
    }

    @Override
    public void onConfigurationChanged(Configuration newConfig){
        super.onConfigurationChanged(newConfig);
        counter++;

        TextView counterTextView = findViewById(R.id.counter);
        counterTextView.setText(String.valueOf(counter));
    }
}
```

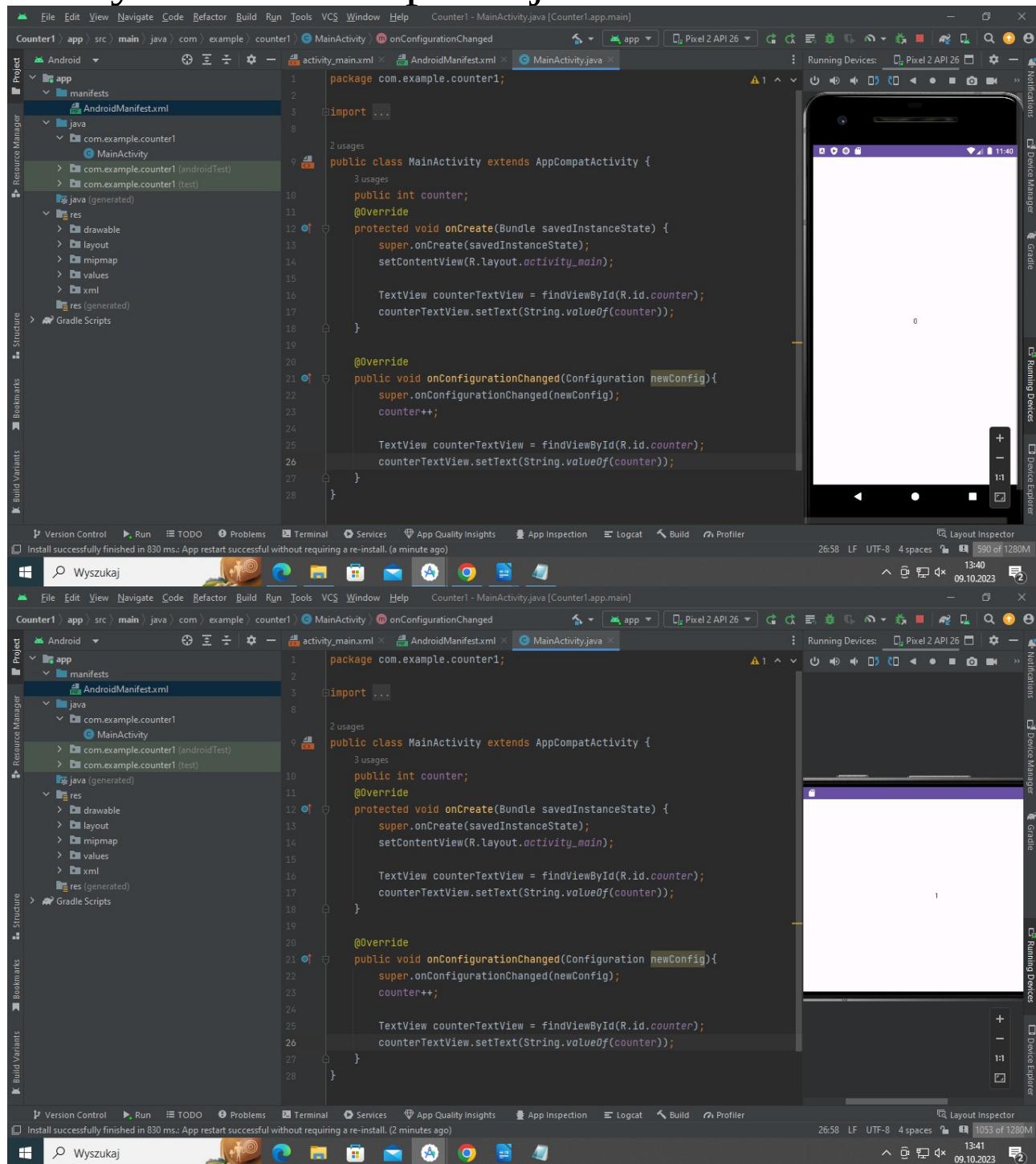
Zmiana w pliku manifestu:



The screenshot shows the Android Studio interface with the project 'Counter1' open. The code editor displays the AndroidManifest.xml file, which defines the application's manifest. It includes declarations for the application, activity, and intent filters. A message at the bottom right indicates a successful install and restart.

```
<manifest>
    <application
        android:label="Counter1"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Counter1"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:configChanges="orientation|screenSize"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

# zrzuty z dzialania aplikacji



The image shows two side-by-side screenshots of the Android Studio interface, illustrating the application's behavior across different devices.

**Top Screenshot:** The application is running on a Pixel 2 API 26 device. The screen displays a simple counter application with a single TextView labeled "counter". The text value is currently "0".

**Bottom Screenshot:** The application is running on an iPhone X device. The screen is mostly black, indicating that the application has not yet loaded or is in a state where no content is displayed.

**Project Structure:** Both screenshots show the same project structure for "Counter1". The Project tab displays the app module with its manifest, Java files (MainActivity.java), and resources. The Java code for MainActivity.java is visible in both cases, showing the logic for incrementing a counter and updating a TextView.

```
package com.example.counter1;
import ...
public class MainActivity extends AppCompatActivity {
    public int counter;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        TextView counterTextView = findViewById(R.id.counter);
        counterTextView.setText(String.valueOf(counter));
    }

    @Override
    public void onConfigurationChanged(Configuration newConfig){
        super.onConfigurationChanged(newConfig);
        counter++;

        TextView counterTextView = findViewById(R.id.counter);
        counterTextView.setText(String.valueOf(counter));
    }
}
```

Counter1 > app > src > main > java > com > example > counter1 > MainActivity > onConfigurationChanged

```
activity_main.xml AndroidManifest.xml MainActivity.java
```

1 package com.example.counter1;  
2  
3 import ...  
4  
5 public class MainActivity extends AppCompatActivity {  
6 public int counter;  
7 @Override  
8 protected void onCreate(Bundle savedInstanceState) {  
9 super.onCreate(savedInstanceState);  
10 setContentView(R.layout.activity\_main);  
11  
12 TextView counterTextView = findViewById(R.id.counter);  
13 counterTextView.setText(String.valueOf(counter));  
14 }  
15  
16 @Override  
17 public void onConfigurationChanged(Configuration newConfig){  
18 super.onConfigurationChanged(newConfig);  
19 counter++;  
20  
21 TextView counterTextView = findViewById(R.id.counter);  
22 counterTextView.setText(String.valueOf(counter));  
23 }  
24  
25 }  
26  
27 }  
28 }

Running Devices: Pixel 2 API 26

Notifications Device Manager

Structure Bookmarks Build Variants

Version Control Run TODO Problems Terminal Services App Quality Insights App Inspection Logcat Build Profiler

Install successfully finished in 830 ms: App restart successful without requiring a re-install. (2 minutes ago)

Layout Inspector

26:58 LF UTF-8 4 spaces 489 of 1280M 13:41 09.10.2023

Counter1 > app > src > main > java > com > example > counter1 > MainActivity > onConfigurationChanged

```
activity_main.xml AndroidManifest.xml MainActivity.java
```

1 package com.example.counter1;  
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3 import ...  
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5 public class MainActivity extends AppCompatActivity {  
6 public int counter;  
7 @Override  
8 protected void onCreate(Bundle savedInstanceState) {  
9 super.onCreate(savedInstanceState);  
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11  
12 TextView counterTextView = findViewById(R.id.counter);  
13 counterTextView.setText(String.valueOf(counter));  
14 }  
15  
16 @Override  
17 public void onConfigurationChanged(Configuration newConfig){  
18 super.onConfigurationChanged(newConfig);  
19 counter++;  
20  
21 TextView counterTextView = findViewById(R.id.counter);  
22 counterTextView.setText(String.valueOf(counter));  
23 }  
24  
25 }  
26  
27 }  
28 }

Running Devices: Pixel 2 API 26

Notifications Device Manager

Structure Bookmarks Build Variants

Version Control Run TODO Problems Terminal Services App Quality Insights App Inspection Logcat Build Profiler

Install successfully finished in 830 ms: App restart successful without requiring a re-install. (2 minutes ago)

Layout Inspector

26:58 LF UTF-8 4 spaces 737 of 1280M 13:41 09.10.2023