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Image View:

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <ImageView
        android:id="@+id/myImg"
        android:layout_width="match_parent"
        android:layout_height="400dp"
        android:src="@drawable/mark1"
        android:layout_margin="20dp"/>
    <Button
        android:id="@+id/click"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:backgroundTint="@color/black"
        android:gravity="center"
        android:text="Click" />
</LinearLayout>
```

MainActivity.java

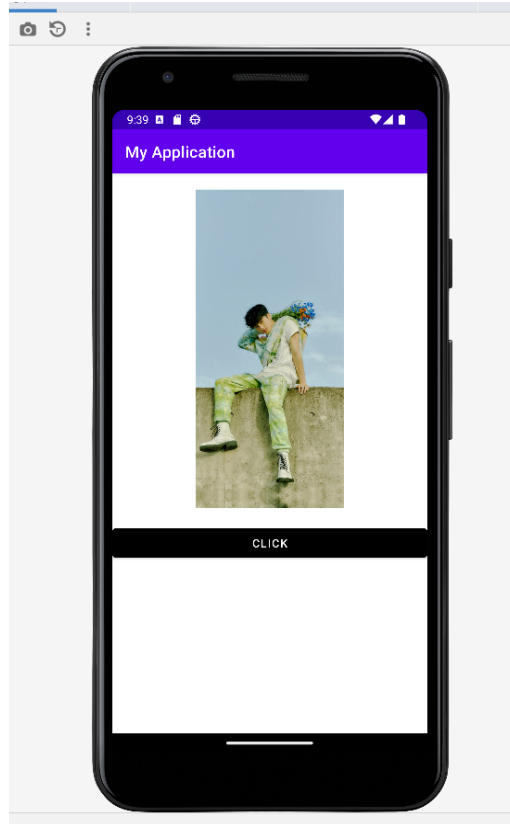
```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
public class MainActivity extends AppCompatActivity {
```

```

int flag = 1 ;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    ImageView imageView;
    Button change ;
    imageView = findViewById(R.id.myImg) ;
    change = findViewById(R.id.click);
    change.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            // Code to change the image
        }
    });
    change.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if(flag==1){
                imageView.setImageResource(R.drawable.mark1);
                flag=2 ;
            }else{
                imageView.setImageResource(R.drawable.mark2);
                flag=1 ;
            }
        }
    });
}
}

```



Alert Dialog

activity_main.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<LinearLayout 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:id="@+id/alert"
        android:layout_width="match_parent"
        android:layout_height="71dp"
        android:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:layout_marginTop="320dp"
```

```

        android:text="Click to Alert"
        android:textColor="@color/black"
        android:backgroundTint="#786996"
        android:textSize="30dp"/>
</LinearLayout>

```

MainActivity.java

```

package com.example.alertdialog;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

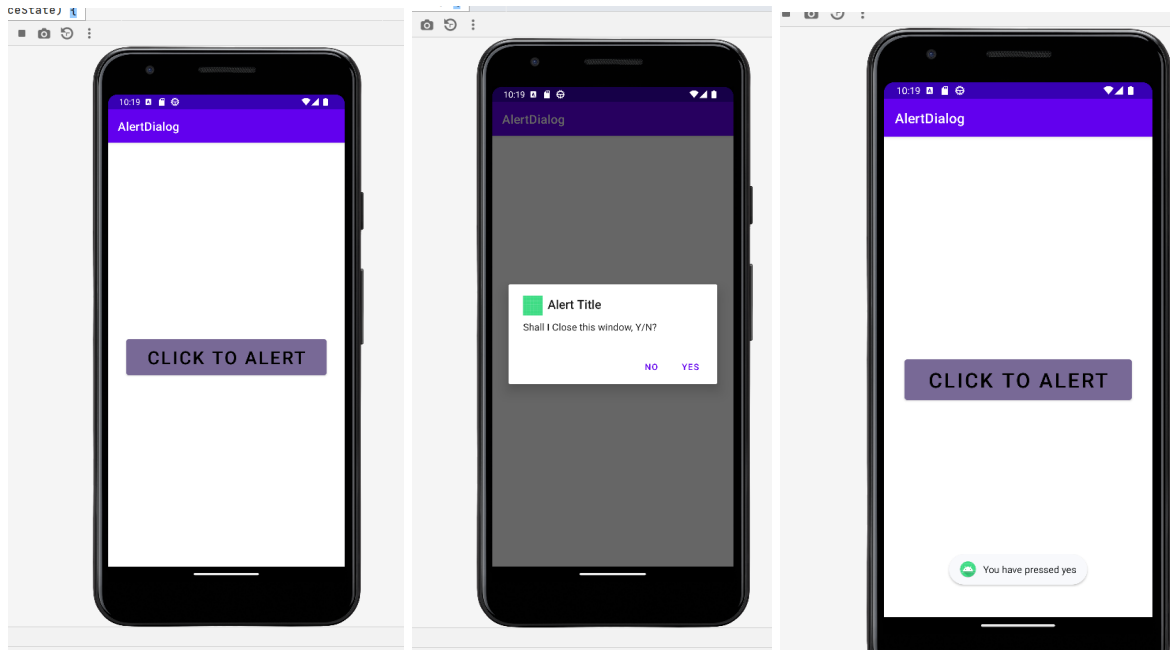
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button alertButton ;
// inside onCreate()
        alertButton = findViewById(R.id.alert) ;
        alertButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
//logic for Alert
                AlertDialog.Builder builder = new
                    AlertDialog.Builder(MainActivity.this) ;
                builder.setIcon(R.drawable.ic_launcher_background) ;
                builder.setTitle("Alert Title") ;
                builder.setMessage("Shall I Close this window, Y/N?") ;
                builder.setPositiveButton("Yes", new
                    DialogInterface.OnClickListener() {
                        @Override
                        public void onClick(DialogInterface dialog, int
which) {
                            Toast.makeText(MainActivity.this, "You have
pressed yes",
                                Toast.LENGTH_SHORT).show();
                        }
                    });
                builder.setNegativeButton("No", new
                    DialogInterface.OnClickListener() {
                        @Override

```

```

        public void onClick(DialogInterface dialog, int
which) {
            finish() ;
        }
    });
    AlertDialog alertDialog = builder.create();
    alertDialog.show();
}
}
}
}
}

```



List View:

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical">
    <ListView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/list"/>
</LinearLayout>
```

textview_layout.xml

```
<?xml version="1.0" encoding="utf-8"?>
<TextView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:text="Content"
    android:textSize="50dp"
    android:background="#e41b54"
    android:textColor="#050d05"
/>
```

String.xml

```
<resources>
    <string name="app_name">My Application</string>
    <string-array name="country">
        <item>Vincenzo</item>
        <item>Game of Thrones</item>
        <item>Squid Games</item>
        <item>Strong Woman</item>
    </string-array>
</resources>
```

```

        <item>20th Century Girl</item>
        <item>Elite</item>
    </string-array>
</resources>

```

MainActivity.java

```

package com.example.listview;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ListView myList;
        String countryList[];
        myList = findViewById(R.id.list);
        countryList = getResources().getStringArray(R.array.country);
        ArrayAdapter<String> arrayAdapter = new ArrayAdapter<String>(this,
            R.layout.textview_layout, countryList);
        myList.setAdapter(arrayAdapter);
        myList.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int
                position, long id) {Toast.makeText(MainActivity.this, "You
have clicked:" +parent.getItemAtPosition(position), Toast.LENGTH_SHORT).show();
            }
        });
    }
}

```

