| Arjun Mehta | K036 | B. Tech CSE Cybersecurity |
|---|---|---|
| Semester 4 | 22-01-2025 | K1 |

# Mobile Application Development Lab Number 2

Code:

```xml
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:id="@+id/rel_lay"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".MainActivity">



    <TextView
        android:id="@+id/tv_title"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="K036_Lab 2_MAD"
        android:textSize="18sp"
        android:textColor="@android:color/black"
        android:layout_alignParentTop="true"
        android:layout_alignParentStart="true"
        android:layout_marginBottom="16dp" />

    <Spinner
        android:layout_alignParentStart="true"
        android:id="@+id/spn_pic"
        android:entries="@array/photo"
        android:layout_width="match_parent"
        android:layout_height="50dp"
        android:layout_marginBottom="16dp" />

    <ImageView
        android:layout_below="@id/spn_pic"
        android:id="@+id/img_pic"
        android:background="@color/blue"
        android:layout_height="fill_parent"
        android:layout_width="fill_parent"
        android:scaleType="fitXY"/>

</RelativeLayout>
```

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="black">#FF000000</color>
    <color name="white">#FFFFFFFF</color>
    <color name="blue">#ADD8E6</color>
</resources>
```

```xml
<resources>
    <string name="app_name">K036_LAB2_MAD</string>
    <string-array name="photo">
        <item>Image1</item>
        <item>Image2</item>
        <item>Image3</item>
    </string-array>
</resources>
```

```java
package com.example.k036_lab2_mad;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ImageView;
import android.widget.Spinner;
import android.widget.ArrayAdapter;

public class MainActivity extends AppCompatActivity {
    Spinner spnpic;
    ImageView imgpic;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        spnpic = findViewById(R.id.spn_pic);
        imgpic = findViewById(R.id.img_pic);

        ArrayAdapter<CharSequence> adapter =
ArrayAdapter.createFromResource(
                this, R.array.photo, android.R.layout.simple_spinner_item);

adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_it
em);
        spnpic.setAdapter(adapter);

        spnpic.setOnItemSelectedListener(new
AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> parentView, View
selectedItemView, int position, long id) {
                switch (position) {
                    case 0:
```

```java
                        imgpic.setImageResource(R.drawable.imageone);
                        break;
                    case 1:
                        imgpic.setImageResource(R.drawable.imagetwo);
                    case 2:
                        imgpic.setImageResource(R.drawable.imagethree);
                        break;
                    default:
                        break;
                }
            }

            @Override
            public void onNothingSelected(AdapterView<?> parentView) {
                // Do nothing when no item is selected
            }
        });
    }
}
```

**OUTPUTS** (ran on in person android phone)

Image1

Image2

**Conclusion**:
Hence, today I have successfully learnt and implemented code successfully.