**App 4: Develop an Android app for viewing the pictures.**

**MainActivity.java:**

package com.example.imageview;

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 {

ImageView imageView ;

Button next , previous ;

int i = 0 ;

private int [] textureArrayWin = { R.drawable.image1 , R.drawable.image2 , R.drawable.image3 };

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

imageView = findViewById(R.id.imageView);

next = findViewById(R.id.next);

previous = findViewById(R.id.previous);

if (i == 0){

previous.setVisibility(View.GONE);

imageView.setImageResource(textureArrayWin[i]);

}

if (i == 2){

next.setVisibility(View.GONE);

}

previous.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

i--;

imageView.setImageResource(textureArrayWin[i]);

if(i==0){

previous.setVisibility(View.GONE); }

else {

next.setVisibility(View.VISIBLE); }

if (i==2){

previous.setVisibility(View.GONE);

} else{

next.setVisibility(View.VISIBLE);

}

}

});

next.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

i++;

imageView.setImageResource(textureArrayWin[i]);

if(i==0){

previous.setVisibility(View.GONE); }

else {

previous.setVisibility(View.VISIBLE); }

if (i==2){

next.setVisibility(View.GONE);

} else{

previous.setVisibility(View.VISIBLE);

}

}

});

}

}

**Activity\_main.xml:**

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

<androidx.constraintlayout.widget.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:id="@+id/next"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="86dp"

android:layout\_marginBottom="114dp"

android:text="Next"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintStart\_toStartOf="parent" />

<Button

android:id="@+id/previous"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginEnd="80dp"

android:layout\_marginBottom="114dp"

android:text="Previous"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent" />

<ImageView

android:id="@+id/imageView"

android:layout\_width="245dp"

android:layout\_height="442dp"

android:layout\_marginStart="86dp"

android:layout\_marginTop="70dp"

android:layout\_marginEnd="80dp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

tools:srcCompat="@tools:sample/avatars" />

</androidx.constraintlayout.widget.ConstraintLayout>

**OUTPUT:**



