**DATABASE:**

**Activity\_main.xml**

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

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

xmlns:app="http://schemas.android.com/apk/res-auto"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

tools:context=".MainActivity">

<EditText android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

android:id="@+id/Tb\_Enro"

android:hint="Enrollment No"/>

<EditText android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

android:id="@+id/Tb\_Name"

android:hint="Student Name"/>

<EditText android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

android:id="@+id/Tb\_Email"

android:hint="Email ID"/>

<Button android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

android:text="Insert"

android:id="@+id/BtnInsert"/>

<Button android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

android:text="Update"

android:id="@+id/BtnUpdate"/>

<ListView android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

android:id="@+id/LvRecords"/>

</LinearLayout>

**MainActivity.java**

package com.example.myappdb;

import android.icu.text.IDNA;

import android.util.Log;

import android.view.ContextMenu;

import android.view.MenuItem;

import android.view.View;

import android.widget.\*;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import org.w3c.dom.Text;

import java.math.BigInteger;

import java.util.ArrayList;

import java.util.List;

public class MainActivity extends AppCompatActivity {

EditText enro,name,email;

Button insert,update;

ListView records;

ArrayList<String> students;

ArrayAdapter adp;

DatabaseHelper db=new DatabaseHelper(this);

String EnroID;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

controlIns();

eventHandler();

viewData();

}

protected void controlIns(){

enro=findViewById(R.id.Tb\_Enro);

name=findViewById(R.id.Tb\_Name);

email=findViewById(R.id.Tb\_Email);

insert=findViewById(R.id.BtnInsert);

update=findViewById(R.id.BtnUpdate);

records=findViewById(R.id.LvRecords);

}

protected void eventHandler(){

insert.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

db.addStudent(new Student(enro.getText().toString(),name.getText().toString(),email.getText().toString()));

Toast.makeText(MainActivity.this, "Student Inserted", Toast.LENGTH\_SHORT).show();

viewData();

clear();

}

});

records.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

public void onItemClick(AdapterView<?> parent, View view, int position, long id) {

Toast.makeText(MainActivity.this, students.get(position).toString(), Toast.LENGTH\_SHORT).show();

}

});

update.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String Name=name.getText().toString();

String Email=email.getText().toString();

int ID=db.updateStudent(new Student(EnroID,Name,Email));

viewData();

if(ID>=1)

{

Toast.makeText(getApplicationContext(), "Data Updated", Toast.LENGTH\_SHORT).show();

}

clear();

insert.setEnabled(true);

}

});

}

protected void viewData()

{

students=db.getAllStudent();

adp=new ArrayAdapter(getApplicationContext(), android.R.layout.simple\_list\_item\_1,students);

records.setAdapter(adp);

registerForContextMenu(records);

}

@Override

public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {

super.onCreateContextMenu(menu, v, menuInfo);

menu.setHeaderTitle("Select Operation");

menu.add(0,v.getId(),0,"Update");

menu.add(0,v.getId(),0,"Delete");

}

public boolean onContextItemSelected(@NonNull MenuItem item) {

if (item.getTitle()=="Update") {

String ID=GetID(item);

Student s=db.getDetails(ID);

name.setText(s.getName());

email.setText(s.getEmail());

enro.setHint(s.getEnro());

enro.setEnabled(false);

insert.setEnabled(false);

EnroID=s.getEnro();

}

else if (item.getTitle()=="Delete") {

String ID=GetID(item);

db.deleteStudent(new Student(String.valueOf(ID)));

viewData();

Toast.makeText(this, "Data Deleted", Toast.LENGTH\_SHORT).show();

}

return true;

}

private String GetID(MenuItem item) {

AdapterView.AdapterContextMenuInfo menuInfo=(AdapterView.AdapterContextMenuInfo)item.getMenuInfo();

int Position=menuInfo.position;

String selectedItems=adp.getItem(Position).toString();

String[] selectedColumn=selectedItems.split(",");

String Id=selectedColumn[0];

return Id;

}

public void clear()

{

enro.setEnabled(true);

enro.setText("");

enro.setHint("Enrollment No");

name.setText("");

email.setText("");

}

}

**DatabaseHelper.java**

package com.example.myappdb;

import android.content.ContentValues;

import android.content.Context;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

import android.util.Log;

import android.widget.Toast;

import androidx.annotation.Nullable;

import java.util.ArrayList;

import java.util.List;

public class DatabaseHelper extends SQLiteOpenHelper {

private static int version=1;

private static String DATABASE\_NAME="UTU";

private static String tableName="Students";

private static String fieldEnroNo="Enro\_No";

private static String fieldName="Student\_Name";

private static String filedEmail="Email\_ID";

public DatabaseHelper(Context context) {

super(context, DATABASE\_NAME, null, version);

}

@Override

public void onCreate(SQLiteDatabase db) {

Log.d("Method","OnCreate Called");

String query="create table " + tableName + "(" + fieldEnroNo + " text," +fieldName+ " text," +filedEmail+" text)";

db.execSQL(query);

}

@Override

public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

Log.d("Method","OnUpgrade Called");

db.execSQL("drop table if exists "+tableName);

onCreate(db);

}

public void addStudent(Student student)

{

SQLiteDatabase db=this.getWritableDatabase();

ContentValues cv=new ContentValues();

cv.put(fieldEnroNo,student.getEnro());

cv.put(fieldName,student.getName());

cv.put(filedEmail,student.getEmail());

db.insert(tableName,null,cv);

}

public ArrayList<String> getAllStudent()

{

ArrayList<String> studentsList=new ArrayList<String>();

String query="select \* from "+tableName;

SQLiteDatabase db=this.getWritableDatabase();

Cursor cursor=db.rawQuery(query,null);

if(cursor.moveToFirst())

{

do{

studentsList.add(cursor.getString(0)+","+cursor.getString(1)+","+cursor.getString(2));

}while(cursor.moveToNext());

}

return studentsList;

}

Student getDetails(String ID){

SQLiteDatabase db=this.getWritableDatabase();

Cursor c= db.query(tableName,

new String[]{fieldEnroNo,fieldName,filedEmail},

fieldEnroNo+"=?",

new String[]{String.valueOf(ID)},

null,null,null);

if(c!=null)

c.moveToFirst();

Student s=new Student((c.getString(0)),(c.getString(1)),(c.getString(2)));

return s;

}

public void deleteStudent(Student s)

{

SQLiteDatabase db=this.getWritableDatabase();

db.delete(tableName,fieldEnroNo+"=?",new String[]

{String.valueOf(s.getEnro())});

}

public int updateStudent(Student s)

{

SQLiteDatabase db=this.getWritableDatabase();

ContentValues cv=new ContentValues();

cv.put(fieldName,s.getName());

cv.put(filedEmail,s.getEmail());

int Id= db.update(tableName,

cv,

fieldEnroNo+"=?",

new String[]{String.valueOf(s.getEnro())});

return Id;

}

}

**Student.java**

package com.example.myappdb;

public class Student {

String enro;

String name;

String email;

Student(String enro,String name,String email)

{

this.enro=enro;

this.name=name;

this.email=email;

}

public Student() {

}

public Student(String enro) {

this.enro=enro;

}

public void setEnro(String enro) {

this.enro = enro;

}

public String getEnro() {

return enro;

}

public void setName(String name) {

this.name = name;

}

public String getName() {

return name;

}

public void setEmail(String email) {

this.email = email;

}

public String getEmail() {

return email;

}

}

**WEBVIEW**

**Mainactivity.java**

**package** com.example.webview;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.webkit.WebResourceRequest;  
**import** android.webkit.WebView;  
**import** android.webkit.WebViewClient;  
**import** android.widget.Button;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 WebView **wv**;  
 Button **btnopen**;  
 String **Url**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 con();  
 btnclick();  
 }  
 **private void** con()  
 {  
 **wv**=findViewById(R.id.***wv***);  
 **wv**.setWebViewClient(**new** MyBroswer());  
 **btnopen**=findViewById(R.id.***btnopen***);  
  
 }  
 **private void** btnclick()  
 {  
 **btnopen**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **Url**=**"https://www.google.com"**;  
 **wv**.getSettings().setJavaScriptEnabled(**true**);  
 **wv**.getSettings().setLoadsImagesAutomatically(**true**);  
 **wv**.loadUrl(**Url**);  
 }  
 });  
 }  
 **private class** MyBroswer **extends** WebViewClient  
 {  
 @Override  
 **public boolean** shouldOverrideUrlLoading(WebView view, WebResourceRequest request) {  
 view.loadUrl(**Url**);  
 **return true**;  
 }  
 }  
}

**SEARCHVIEW**

**Mainactivity.java**

**package** com.example.searchview;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.ListView;  
**import** android.widget.SearchView;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 SearchView **sv**;  
 ListView **lstcities**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 con();  
 eventhandling();  
 }  
 **private void** con()  
 {  
 **sv**=findViewById(R.id.***sv***);  
 **lstcities**=findViewById(R.id.***lstcities***);  
  
 }  
 **private void** eventhandling()  
 {  
 String[] cities=getResources().getStringArray(R.array.***cities***);  
 ArrayAdapter<String> adapter=**new** ArrayAdapter<String>(getApplicationContext(), android.R.layout.***simple\_list\_item\_1***,cities);  
  
 **lstcities**.setAdapter(adapter);  
 **sv**.setOnQueryTextListener(**new** SearchView.OnQueryTextListener() {  
 @Override  
 **public boolean** onQueryTextSubmit(String query) {  
 **return false**;  
 }  
  
 @Override  
 **public boolean** onQueryTextChange(String newText) {  
 adapter.getFilter().filter(newText);  
 **return false**;  
 }  
 });  
 }  
}

**String.xml**

<**resources**>  
 <**string name="app\_name"**>SearchView</**string**>  
 <**string-array name="cities"**>  
 <**item**>surat</**item**>  
 <**item**>vapi</**item**>  
 <**item**>navsari</**item**>  
 <**item**>valsad</**item**>  
 <**item**>bharuch</**item**>  
 </**string-array**>  
</**resources**>

**Manifest file**

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.searchview"**>  
<**uses-permission android:name="android.permission.INTERNET"**/>  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.SearchView"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>

**SEEKBAR**

**Mainactivity.java**

**package** com.example.seekbar;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.widget.SeekBar;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 SeekBar **sv**;  
 **int progressval**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 con();  
 eventlistener();  
 }  
 **private void** con()  
 {  
 **sv**=findViewById(R.id.***sv***);  
 }  
 **private void** eventlistener()  
 {  
 **sv**.setOnSeekBarChangeListener(**new** SeekBar.OnSeekBarChangeListener() {  
 @Override  
 **public void** onProgressChanged(SeekBar seekBar, **int** progress, **boolean** fromUser) {  
 **progressval** = progress;  
 }  
  
 @Override  
 **public void** onStartTrackingTouch(SeekBar seekBar) {  
  
 }  
  
 @Override  
 **public void** onStopTrackingTouch(SeekBar seekBar) {  
  
 Toast.*makeText*(getApplicationContext(),**"value"**+**progressval**,Toast.***LENGTH\_LONG***).show();  
 }  
 });  
 }  
}

**RATINGBAR**

**Mainactivity.java**

**package** com.example.ratingbar;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.widget.RatingBar;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 RatingBar **rb**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 con();  
 listener();  
 }  
 **private void** con()  
 {  
 **rb**=findViewById(R.id.***rb***);  
 }  
 **private void** listener()  
 {  
 **rb**.setOnRatingBarChangeListener(**new** RatingBar.OnRatingBarChangeListener() {  
 @Override  
 **public void** onRatingChanged(RatingBar ratingBar, **float** rating, **boolean** fromUser) {  
 Toast.*makeText*(getApplicationContext(),**"rating"**+rating,Toast.***LENGTH\_LONG***).show();  
 }  
 });  
 }  
}

**GALLERY**

**Mainactivity.java**

**package** com.example.gallery;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.AdapterView;  
**import** android.widget.Gallery;  
**import** android.widget.ImageView;  
  
**public class** MainActivity **extends** AppCompatActivity {  
Gallery **gallery**;  
ImageView **img**;  
Integer[] **images**={R.drawable.***img1***,R.drawable.***img2***,R.drawable.***img3***,R.drawable.***img2***,R.drawable.***img1***};  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 con();  
 }  
 **private void** con()  
 {  
 **gallery**=findViewById(R.id.***gallery***);  
 **img**=findViewById(R.id.***img***);  
 ImageAdapter adapter=**new** ImageAdapter(getApplicationContext(),**images**);  
 **gallery**.setAdapter( adapter );  
 **gallery**.setOnItemClickListener( **new** AdapterView.OnItemClickListener() {  
 @Override  
 **public void** onItemClick(AdapterView<?> parent, View view, **int** position, **long** id) {  
 **img**.setImageResource( **images**[position] );  
 }  
 } );  
 }  
}

**ImageAdapter.java**

**package** com.example.gallery;  
  
**import** android.content.Context;  
**import** android.view.View;  
**import** android.view.ViewGroup;  
**import** android.widget.BaseAdapter;  
**import** android.widget.Gallery;  
**import** android.widget.Gallery.LayoutParams;  
**import** android.widget.ImageView;  
  
**public class** ImageAdapter **extends** BaseAdapter {  
 Context **c**;  
 Integer[] **imgs**;  
 **public** ImageAdapter(Context c,Integer[] i)  
 {  
 **this**.**c**=c;  
 **this**.**imgs**=i;  
 }  
 @Override  
 **public int** getCount() {  
 **return imgs**.**length**;  
 }  
  
 @Override  
 **public** Object getItem(**int** position) {  
 **return imgs**[position];  
 }  
  
 @Override  
 **public long** getItemId(**int** position) {  
 **return imgs**[position];  
 }  
  
 @Override  
 **public** View getView(**int** position, View convertView, ViewGroup parent) {  
 ImageView img=**new** ImageView(**c**);  
 img.setLayoutParams( **new** Gallery.LayoutParams( 400,400 ) );  
 img.setImageResource(**imgs**[position]);  
 **return** img;  
  
 }  
}

**GIRDVIEW**

**Mainactivity.java**

**package** com.example.gridview;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.AdapterView;  
**import** android.widget.GridView;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 GridView **gv**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate( savedInstanceState );  
 setContentView( R.layout.***activity\_main*** );  
 con();  
 }  
 **private void** con()  
 {  
 **gv**=findViewById( R.id.***gv*** );  
 gridview adapter=**new** gridview(**this**);  
 **gv**.setAdapter(adapter);  
 **gv**.setOnItemClickListener( **new** AdapterView.OnItemClickListener() {  
 @Override  
 **public void** onItemClick(AdapterView<?> parent, View view, **int** position, **long** id) {  
 Intent obj=**new** Intent(getApplicationContext(),display.**class**);  
 obj.putExtra( **"position"**,position );  
 startActivity(obj);  
 }  
 } );  
 }  
}

**DISPLAY.java**

**package** com.example.gridview;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.widget.ImageView;  
  
**public class** display **extends** AppCompatActivity {  
 ImageView **img**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate( savedInstanceState );  
 setContentView( R.layout.***activity\_display*** );  
 con();  
 }  
 **private void** con()  
 {  
 **img**=findViewById( R.id.***img*** );  
 **int** position=getIntent().getExtras().getInt( **"position"** );  
 gridview adapter=**new** gridview( **this** );  
 **img**.setImageResource( adapter.**flowers**[position] );  
 }  
}

**gridview.java**

**package** com.example.gridview;  
  
**import** android.content.Context;  
**import** android.view.View;  
**import** android.view.ViewGroup;  
**import** android.widget.AbsListView;  
**import** android.widget.BaseAdapter;  
**import** android.widget.GridLayout;  
**import** android.widget.GridView;  
**import** android.widget.ImageView;  
  
**public class** gridview **extends** BaseAdapter {  
 Integer[] **flowers**={R.drawable.***img1***,R.drawable.***img2***,R.drawable.***img3***,R.drawable.***img2***,R.drawable.***img1***};  
 Context **c**;  
  
 **public** gridview(Context c)  
 {  
 **this**.**c**=c;  
 }  
 @Override  
 **public int** getCount() {  
 **return flowers**.**length**;  
 }  
  
 @Override  
 **public** Object getItem(**int** position) {  
 **return flowers**[position];  
 }  
  
 @Override  
 **public long** getItemId(**int** position) {  
 **return flowers**[position];  
 }  
  
 @Override  
 **public** View getView(**int** position, View convertView, ViewGroup parent) {  
 ImageView img;  
 **if** (convertView==**null**)  
 {  
 img=**new** ImageView( **c** );  
 img.setLayoutParams( **new** GridView.LayoutParams(300,300 ));  
 img.setScaleType( ImageView.ScaleType.***CENTER\_CROP*** );  
 img.setPadding( 10,10,10,10 );  
 }  
 **else** {  
 img=(ImageView)convertView;  
 }  
 img.setImageResource(**flowers**[position]);  
 **return** img;  
 }  
}

**SHAREDPREFRECE**

**package** com.example.sharedprefrence;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.SharedPreferences;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 EditText **txtname**,**txtpass**;  
 Button **btnsave**,**btnclear**,**btnretrive**;  
 SharedPreferences **sp**;  
  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate( savedInstanceState );  
 setContentView( R.layout.***activity\_main*** );  
 con();  
 btnclick();  
  
 }  
 **private void** con()  
 {  
  
 **txtname**=findViewById( R.id.***txtname*** );  
 **txtpass**=findViewById( R.id.***txtpass*** );  
 **btnsave**=findViewById( R.id.***btnsave*** );  
 **btnclear**=findViewById( R.id.***btnclear*** );  
 **btnretrive**=findViewById( R.id. ***btnretrive***);  
  
 }  
 **private void** btnclick()  
 {  
 **sp**=getSharedPreferences( **"MyPreference"**,***MODE\_PRIVATE*** );  
 SharedPreferences.Editor editor= **sp**.edit();  
 **btnsave**.setOnClickListener( **new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
  
 editor.putString( **"name"** ,**txtname**.getText().toString());  
 editor.putString( **"pass"**,**txtpass**.getText().toString());  
 editor.commit();  
 Toast.*makeText*( getApplicationContext(),**"Data Saved"**,Toast.***LENGTH\_LONG*** ).show();  
 }  
 } );  
 **btnclear**.setOnClickListener( **new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **txtname**.setText( **" "** );  
 **txtpass**.setText( **" "** );  
 }  
 } );  
 **btnretrive**.setOnClickListener( **new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **if** (**sp**.contains( **"name"** ))  
 {  
 **txtname**.setText( **sp**.getString( **"name"**,**" "** ) );  
  
 }  
 **if** (**sp**.contains( **"pass"** ))  
 {  
 **txtpass**.setText( **sp**.getString( **"pass"**,**" "** ) );  
 }  
 }  
 } );  
 }  
  
  
}

**IMAGESWITCHER**

**MainnActivity.java**

**package** com.example.imageviewimageswitcherprogressbar;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.view.animation.Animation;  
**import** android.view.animation.AnimationUtils;  
**import** android.widget.Button;  
**import** android.widget.ImageSwitcher;  
**import** android.widget.ImageView;  
**import** android.widget.ViewSwitcher;  
  
**public class** Imageswitcher **extends** AppCompatActivity {  
 ImageSwitcher **imgswitcher**;  
 Button **btnnext**;  
 Button **btnpre**;  
 **private int**[] **jew**={R.drawable.***de1***,R.drawable.***de2***,R.drawable.***de3***,R.drawable.***de4***,R.drawable.***de5***};  
 **int position**=0;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_imageswitcher***);  
 con();  
 btnclick();  
 }  
 **private void** con()  
 {  
 **imgswitcher**=findViewById(R.id.***imgswitcher***);  
 **btnnext**=findViewById(R.id.***btnnext***);  
 **btnpre**=findViewById(R.id.***btnpre***);  
 **imgswitcher**.setFactory(**new** ViewSwitcher.ViewFactory() {  
 @Override  
 **public** View makeView() {  
 ImageView imageView=**new** ImageView(getApplicationContext());  
 imageView.setImageResource(**jew**[**position**]);  
 **return** imageView;  
 }  
 });  
 }  
 **private void** btnclick()  
 {  
 **btnnext**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **if** (**position**<**jew**.**length**-1)  
 **position**++;  
 **else** positioAn=0;  
 **imgswitcher**.setImageResource(**jew**[**position**]);  
 }  
 });  
 **btnpre**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **if** (**position**>0)  
 **position**--;  
 **else if** (**position**==**jew**.**length**)  
 **position**=0;  
 **imgswitcher**.setImageResource(**jew**[**position**]);  
 }  
 });  
 Animation objanimation= AnimationUtils.*loadAnimation*(getApplicationContext(), android.R.anim.***fade\_out***);  
 **imgswitcher**.setOutAnimation(objanimation);  
 }  
}

File

package com.example.pl\_p3;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.content.Context;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
import java.io.File;  
import java.io.FileNotFoundException;  
import java.io.FileOutputStream;  
import java.io.IOException;  
  
public class MainActivity3 extends AppCompatActivity {  
  
 EditText editData;  
 Button btnRead, btnWrite;  
  
 private static String *FileName* = "MyFile.txt";  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 Controll();  
 ButtonClicks();  
 }  
  
 private void Controll()  
 {  
 editData = findViewById(R.id.*editData*);  
 btnRead = findViewById(R.id.*btnRead*);  
 btnWrite = findViewById(R.id.*btnWrite*);  
 }  
  
 private void ButtonClicks()  
 {  
 btnWrite.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 File path=getApplicationContext().getFilesDir();  
 File file=new File(path,"MyFile.txt");  
 FileOutputStream stream= null;  
 try {  
 stream = new FileOutputStream(file);  
 String data=editData.getText().toString();  
 stream.write(data.getBytes());  
 stream.close();  
 } catch (FileNotFoundException e) {  
 e.printStackTrace();  
 } catch (IOException e) {  
 e.printStackTrace();  
 }  
 try{  
  
 }finally {  
  
 }  
 }  
 });  
 }  
}

<?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=".MainActivity3"  
 android:orientation="vertical">  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/editData"  
 android:hint="Enter Your Data"/>  
  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btnRead"  
 android:text="READ"/>  
  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btnWrite"  
 android:text="Write"/>  
  
</LinearLayout>