Main File with toast alert and intent

package com.example.myapplication;  
import android.content.DialogInterface;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
import android.app.AlertDialog;  
  
public class MainActivity extends AppCompatActivity {  
Button but;  
TextView textbox;  
EditText value1;  
EditText value2;  
AlertDialog.Builder builder;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.activity\_main);  
  
but = findViewById(R.id.button2);  
textbox = findViewById(R.id.box1);  
value1 = findViewById(R.id.inputBox);  
value2 = findViewById(R.id.val2);  
  
builder = new AlertDialog.Builder(this);  
but.setOnClickListener(new View.OnClickListener()  
{  
@Override  
public void onClick(View v)  
{  
// String abcd = input.getText().toString();  
int val1 = Integer.parseInt(value1.getText().toString());  
int val2 = Integer.parseInt(value2.getText().toString());  
int val3 = val1 + val2;  
textbox.setText(String.valueOf(val3));  
  
Intent intent = new Intent(MainActivity.this,Naya.class);  
intent.putExtra("name",String.valueOf(val3));  
startActivity(intent);  
  
  
/\*  
//Toast.makeText(getApplicationContext(),"Bread",Toast.LENGTH\_SHORT).show();  
AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);  
  
// Set the message show for the Alert time  
builder.setMessage("Do you want to exit ?");  
  
// Set Alert Title  
builder.setTitle("Alert !");  
  
// Set Cancelable false for when the user clicks on the outside the Dialog Box then it will remain show  
builder.setCancelable(false);  
  
// Set the positive button with yes name Lambda OnClickListener method is use of DialogInterface interface.  
builder.setPositiveButton("Yes", (DialogInterface.OnClickListener) (dialog, which) -> {  
// When the user click yes button then app will close  
finish();  
});  
  
// Set the Negative button with No name Lambda OnClickListener method is use of DialogInterface interface.  
builder.setNegativeButton("No", (DialogInterface.OnClickListener) (dialog, which) -> {  
// If user click no then dialog box is canceled.  
dialog.cancel();  
});  
  
// Create the Alert dialog  
AlertDialog alertDialog = builder.create();  
// Show the Alert Dialog box  
alertDialog.show();\*/  
}  
});  
}  
  
}

Second Activity that will open using intent

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class Naya extends AppCompatActivity {  
TextView textbox1;  
  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.activity\_naya);  
textbox1 = findViewById(R.id.textView);  
  
String text= getIntent().getStringExtra("name");  
if (text!=null)  
{  
textbox1.setText(text);  
}  
  
  
}  
}

List Adapter and List View

package com.example.clickablelist;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.ListView;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
  
public class MainActivity extends AppCompatActivity {  
 ListView lv;  
 ArrayList<String> items = new ArrayList<>();  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 lv = findViewById(R.id.*listView*);  
 items.add("a");  
 items.add("b");  
 items.add("c");  
 items.add("d");  
 ArrayAdapter<String> pushItems = new ArrayAdapter<>(this, android.R.layout.*simple\_list\_item\_1*,items);  
 lv.setAdapter(pushItems);  
  
 lv.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> adapterView, View view, int position, long l) {  
 String list = items.get(position);  
 Toast.*makeText*(MainActivity.this, "You have selected:"+list, Toast.*LENGTH\_SHORT*).show();  
  
 }  
 });  
 }  
}

RADIO

package com.example.radio;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.RadioButton;  
import android.widget.RadioGroup;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 RadioGroup g1;  
 RadioButton rb1,rb2,checked;  
 TextView t1;  
 Button b1;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 g1 = findViewById(R.id.*group1*);  
 rb1 = findViewById(R.id.*radioButton1*);  
 rb2 = findViewById(R.id.*radioButton2*);  
 t1 = findViewById(R.id.*textView*);  
 b1 = findViewById(R.id.*button*);  
  
 b1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 int radioId = g1.getCheckedRadioButtonId();  
 checked = findViewById(radioId);  
 t1.setText("Your choice: " + checked.getText());  
 }  
 });  
  
 }  
  
 public void optionchecked(View V){  
 int radioId = g1.getCheckedRadioButtonId();  
 checked = findViewById(radioId);  
 Toast.*makeText*(getApplicationContext(),"You have selected:" + checked.getText(),Toast.*LENGTH\_SHORT*).show();  
 }  
}

CHECKED

package com.example.tryingcheckbox;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
 CheckBox c1,c2;  
 TextView t1;  
 Button button1;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 c1 = findViewById(R.id.*checkBox1*);  
 c2 = findViewById(R.id.*checkBox2*);  
 t1 = findViewById(R.id.*textView*);  
 button1= findViewById(R.id.*button*);  
  
 button1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 int amount = 0;  
 if(c1.isChecked()){  
 amount += 100;  
 }  
  
 if(c2.isChecked()){  
 amount += 50;  
 }  
 String s1 = "Your order:";  
 String s2 = String.*valueOf*(amount);  
 String s3 = s1+s2;  
 t1.setText(s3);  
  
 }  
 });  
  
 }  
  
  
}

SET BACKGROUND AND FONT COLOUR

package com.example.changecolour;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.constraintlayout.widget.ConstraintLayout;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
import org.w3c.dom.Text;  
  
public class MainActivity extends AppCompatActivity {  
 TextView t1;  
 Button b1;  
 ConstraintLayout cl;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 b1 = findViewById(R.id.*button*);  
 t1 = findViewById(R.id.*textView*);  
 cl = findViewById(R.id.*id1*);  
  
 b1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 t1.setTextColor(getResources().getColor(R.color.*myred*));  
 cl.setBackgroundResource(R.color.*purple\_200*);  
 }  
 });  
  
 }  
}

SQLITE CODE INSERT DELETE UPDATE VIEW

https://allcodingtutorial.blogspot.com/2022/01/insert-delete-update-and-view-data-in.html

Menu Java File:

package com.example.tryingmenu;  
  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuInflater;  
import android.view.MenuItem;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
 @Override  
 public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
 switch(item.getItemId())  
 {  
 case R.id.*Calls*:  
 Toast.*makeText*(this, "Coding", Toast.*LENGTH\_SHORT*).show();  
 return true;  
  
 case R.id.*Status*:  
 Toast.*makeText*(this, "Status", Toast.*LENGTH\_SHORT*).show();  
 return true;  
  
 case R.id.*File*:  
 Toast.*makeText*(this, "File", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 default:  
 return super.onOptionsItemSelected(item);  
 }  
 }  
  
 @Override  
 public boolean onCreatePanelMenu(int featureId, @NonNull Menu menu) {  
 MenuInflater inflater = getMenuInflater();  
 inflater.inflate(R.menu.*menu*,menu);  
 return true;  
  
 }  
}

Menu.xml:right click res, android resource directory and name it menu. Then right click on menu and make a menu resource file called menu

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:android="http://schemas.android.com/apk/res/android">  
  
 <item android:id="@+id/File" android:title="File">  
 <menu>  
 <item android:id="@+id/Code" android:title="Code">  
  
 </item>  
 <item android:id="@+id/Program" android:title="Program">  
  
 </item>  
 </menu>  
  
  
  
  
 </item>  
 <item android:id="@+id/Status" android:title="Status">  
  
 </item>  
  
 <item android:id="@+id/Calls" android:title="Calls">  
  
 </item>  
</menu>

Popup Java file

package com.example.trypopup;  
  
//import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.PopupMenu;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity implements PopupMenu.OnMenuItemClickListener {  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
 public void showPopup(View v) {  
 PopupMenu popup = new PopupMenu(this, v);  
 popup.setOnMenuItemClickListener(this);  
 popup.inflate(R.menu.*popup*);  
 popup.show();  
 }  
  
  
 @Override  
 public boolean onMenuItemClick(MenuItem item) {  
 switch (item.getItemId()) {  
 case R.id.*item1*:  
 Toast.*makeText*(this, "Item 1 clicked", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 case R.id.*item2*:  
 Toast.*makeText*(this, "Item 2 clicked", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 case R.id.*item3*:  
 Toast.*makeText*(this, "Item 3 clicked", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 case R.id.*item4*:  
 Toast.*makeText*(this, "Item 4 clicked", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 default:  
 return false;  
 }  
 }  
}

popup.xml: menu file

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android">  
  
 <item  
 android:id="@+id/item1"  
 android:title="Item 1" />  
  
 <item  
 android:id="@+id/item2"  
 android:title="Item 2" />  
  
 <item  
 android:id="@+id/item3"  
 android:title="Item 3" />  
  
 <item  
 android:id="@+id/item4"  
 android:title="Item 4" />  
  
</menu>

Shared preferences:

Java code:

package com.example.sharedpref;  
import android.content.SharedPreferences;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Switch;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 private TextView textView;  
 private EditText editText;  
 private Button applyTextButton;  
 private Button saveButton;  
 private Switch switch1;  
  
 public static final String *SHARED\_PREFS* = "sharedPrefs";  
 public static final String *TEXT* = "text";  
 public static final String *SWITCH1* = "switch1";  
  
 private String text;  
 private boolean switchOnOff;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 textView = (TextView) findViewById(R.id.textview);  
 editText = (EditText) findViewById(R.id.edittext);  
 applyTextButton = (Button) findViewById(R.id.apply\_text\_button);  
 saveButton = (Button) findViewById(R.id.save\_button);  
 switch1 = (Switch) findViewById(R.id.switch1);  
  
 applyTextButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 textView.setText(editText.getText().toString());  
 }  
 });  
  
 saveButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 saveData();  
 }  
 });  
  
 loadData();  
 updateViews();  
 }  
  
 public void saveData() {  
 SharedPreferences sharedPreferences = getSharedPreferences(*SHARED\_PREFS*, MODE\_PRIVATE);  
 SharedPreferences.Editor editor = sharedPreferences.edit();  
  
 editor.putString(*TEXT*, textView.getText().toString());  
 editor.putBoolean(*SWITCH1*, switch1.isChecked());  
  
 editor.apply();  
  
 Toast.makeText(this, "Data saved", Toast.*LENGTH\_SHORT*).show();  
 }  
  
 public void loadData() {  
 SharedPreferences sharedPreferences = getSharedPreferences(*SHARED\_PREFS*, MODE\_PRIVATE);  
 text = sharedPreferences.getString(*TEXT*, "");  
 switchOnOff = sharedPreferences.getBoolean(*SWITCH1*, false);  
 }  
  
 public void updateViews() {  
 textView.setText(text);  
 switch1.setChecked(switchOnOff);  
 }  
}

Shared Preferences, Jay’s Version:

package com.example.sharedpref;  
  
  
  
import android.content.SharedPreferences;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Switch;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
 Button b1;  
 EditText t1,t2;  
  
 public static final String *SHARED\_PREFS* = "sharedPrefs";  
 public static final String *NAME* = "name";  
 public static final String *EMAIL* = "email";  
  
 String name\_;  
 String email\_;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 b1 = findViewById(R.id.*button*);  
 t1 = findViewById(R.id.*name*);  
 t2 = findViewById(R.id.*email*);  
  
 b1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 saveData();  
 }  
 });  
  
  
 SharedPreferences sharedPreferences = getSharedPreferences(*SHARED\_PREFS*, *MODE\_PRIVATE*);  
 name\_ = sharedPreferences.getString(*NAME*, "");  
 email\_ = sharedPreferences.getString(*EMAIL*,"");  
  
 t1.setText(name\_);  
 t2.setText(email\_);  
  
  
  
 }  
  
 public void saveData(){  
 SharedPreferences sharedPreferences = getSharedPreferences(*SHARED\_PREFS*, *MODE\_PRIVATE*);  
 SharedPreferences.Editor editor = sharedPreferences.edit();  
  
 editor.putString(*NAME*, t1.getText().toString());  
 editor.putString(*EMAIL*, t2.getText().toString());  
  
  
 editor.apply();  
  
 Toast.*makeText*(this, "Data saved", Toast.*LENGTH\_SHORT*).show();  
 }  
}

Permissions:

In androidmanifest,

<uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION"/>  
<uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION"/>  
<uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE"/>  
<uses-permission android:name="android.permission.RECORD\_AUDIO"/>

Main Activity:

package com.example.permissions;  
  
import androidx.activity.result.ActivityResultCallback;  
import androidx.activity.result.ActivityResultLauncher;  
import androidx.activity.result.contract.ActivityResultContracts;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.content.ContextCompat;  
  
import android.content.pm.PackageManager;  
import android.Manifest;  
import android.os.Bundle;  
  
import java.util.ArrayList;  
import java.util.List;  
import java.util.Map;  
  
public class MainActivity extends AppCompatActivity {  
 ActivityResultLauncher<String[]> mPermissionResultLauncher;  
 private boolean isReadPermissionGranted = false;  
 private boolean isLocationPermissionGranted = false;  
 private boolean isRecordPermissionGranted = false;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 mPermissionResultLauncher = registerForActivityResult(new ActivityResultContracts.RequestMultiplePermissions(), new ActivityResultCallback<Map<String, Boolean>>() {  
 @Override  
 public void onActivityResult(Map<String, Boolean> result) {  
  
 if (result.get(Manifest.permission.*READ\_EXTERNAL\_STORAGE*) != null){  
  
 isReadPermissionGranted = result.get(Manifest.permission.*READ\_EXTERNAL\_STORAGE*);  
  
 }  
  
 if (result.get(Manifest.permission.*ACCESS\_FINE\_LOCATION*) != null){  
  
 isReadPermissionGranted = result.get(Manifest.permission.*ACCESS\_FINE\_LOCATION*);  
  
 }  
  
 if (result.get(Manifest.permission.*RECORD\_AUDIO*) != null){  
  
 isReadPermissionGranted = result.get(Manifest.permission.*RECORD\_AUDIO*);  
  
 }  
  
 }  
  
 });  
 requestPermission();  
  
  
  
 }  
 private void requestPermission(){  
  
 isReadPermissionGranted = ContextCompat.*checkSelfPermission*(  
 this,  
 Manifest.permission.*READ\_EXTERNAL\_STORAGE* ) == PackageManager.*PERMISSION\_GRANTED*;  
  
 isLocationPermissionGranted = ContextCompat.*checkSelfPermission*(  
 this,  
 Manifest.permission.*ACCESS\_FINE\_LOCATION* ) == PackageManager.*PERMISSION\_GRANTED*;  
  
 isRecordPermissionGranted = ContextCompat.*checkSelfPermission*(  
 this,  
 Manifest.permission.*RECORD\_AUDIO* ) == PackageManager.*PERMISSION\_GRANTED*;  
  
 List<String> permissionRequest = new ArrayList<String>();  
  
 if (!isReadPermissionGranted){  
  
 permissionRequest.add(Manifest.permission.*READ\_EXTERNAL\_STORAGE*);  
  
 }  
  
 if (!isLocationPermissionGranted){  
  
 permissionRequest.add(Manifest.permission.*ACCESS\_FINE\_LOCATION*);  
  
 }  
  
 if (!isRecordPermissionGranted){  
  
 permissionRequest.add(Manifest.permission.*RECORD\_AUDIO*);  
  
 }  
  
 if (!permissionRequest.isEmpty()){  
  
 mPermissionResultLauncher.launch(permissionRequest.toArray(new String[0]));  
  
 }  
  
  
 }  
}

Spinners:

In strings.xml:

<resources>  
 <string name="app\_name">tryingspinner</string>  
 <string-array name="numbers">  
 <item>One</item>  
 <item>Two</item>  
 <item>Three</item>  
  
 </string-array>  
</resources>

MainActivity:

package com.example.tryingspinner;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Spinner;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity implements AdapterView.OnItemSelectedListener {  
 Spinner s1;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 s1 = findViewById(R.id.*spinner*);  
 ArrayAdapter<CharSequence> adapter = ArrayAdapter.*createFromResource*(this,R.array.*numbers*, android.R.layout.*simple\_spinner\_item*);  
 adapter.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
 s1.setAdapter(adapter);  
  
 s1.setOnItemSelectedListener(this);  
 }  
  
 @Override  
 public void onItemSelected(AdapterView<?> parent, View view, int position, long l) {  
 String text = parent.getItemAtPosition(position).toString();  
 Toast.*makeText*(this, "You have selected:"+text, Toast.*LENGTH\_SHORT*).show();  
 }  
  
 @Override  
 public void onNothingSelected(AdapterView<?> adapterView) {  
  
 }  
}