**Assignment no.4**

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<?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:gravity="center"  
 android:orientation="vertical"  
 tools:context=".spinnerwithadapter">  
 <Spinner  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/spinner"  
 />  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/text"  
 android:hint="enter text which add in spinner"  
 />  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="add"  
 android:id="@+id/btn"/>  
  
  
</LinearLayout>

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Spinner;  
  
import java.util.ArrayList;  
  
public class spinnerwithadapter extends AppCompatActivity {  
 Button btn;  
 EditText ed;  
 Spinner sp;  
 ArrayList<String> array=new ArrayList<>();  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_spinnerwithadapter*);  
 btn=(Button) findViewById(R.id.*btn*);  
 ed=(EditText)findViewById(R.id.*text*);  
 sp=(Spinner) findViewById(R.id.*spinner*);  
 ArrayAdapter<String> ad=new ArrayAdapter<>(this,R.layout.*support\_simple\_spinner\_dropdown\_item*,array);  
 sp.setAdapter(ad);  
  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 array.add(ed.getText().toString());  
 ad.notifyDataSetChanged();  
 ed.setText("");  
 }  
 });  
  
  
  
  
 }  
}