**PROGRAM 10 - ARRAY ADAPTER WITH LIST VIEW**

**activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_height="match\_parent"  
 android:layout\_width="match\_parent">  
 <ListView  
 android:id="@+id/list"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"/>  
</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java**

package com.example.arrayadapterlistview;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle; import android.view.View;  
import android.widget.ListView;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter; import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
 ListView  
 l;  
 String tutorials[]  
 = { "Algorithms", "Data Structures",  
 "Languages","dbms","java","python"};  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*); l = findViewById(R.id.*list*);  
 final ArrayAdapter<String> arr;  
 arr = new ArrayAdapter<String>(this, android.R.layout.*simple\_list\_item\_1*, tutorials);  
 l.setAdapter(arr);  
 l.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 public void onItemClick(AdapterView<?> adapterView, View view, int position, long id) {  
 String value = arr.getItem(position);  
 Toast.*makeText*(getApplicationContext(), value, Toast.*LENGTH\_SHORT*).show();  
 } }); }}

**OUTPUT**

