**PROGRAM 5**

**AIM:**

Develop an application that uses ArrayAdapter with ListView.

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| 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">  <ListView  android:id="@+id/list"  android:layout\_width="409dp"  android:layout\_height="729dp"  tools:layout\_editor\_absoluteX="1dp"  tools:layout\_editor\_absoluteY="1dp"  tools:ignore="MissingConstraints" />  </androidx.constraintlayout.widget.ConstraintLayout> |

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| MainActivity.java | package com.example.arrayadapter;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.AdapterView;  import android.widget.ArrayAdapter;  import android.widget.ListAdapter;  import android.widget.ListView;  import android.widget.Toast;  public class MainActivity extends AppCompatActivity {  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_main);  ListView list=findViewById(R.id.list);  String[] item= new String[]{"Recent","Images","Videos","Music","Document","Downloads","Storage","Recycle Bin","Settings"};  ArrayAdapter<String> myAdapter =new ArrayAdapter<String>(MainActivity.this, android.R.layout.simple\_list\_item\_1,item);  list.setAdapter(myAdapter);  list.setOnItemClickListener(new AdapterView.OnItemClickListener() {  @Override  public void onItemClick(AdapterView<?> parent, View view, int position, long id) {  String item\_name=item[position];  Toast.makeText(MainActivity.this,item\_name,Toast.LENGTH\_LONG).show();  }  });  }  } |

**OUTPUT:**

