

PROGRAM 5

AIM : Develop an application that uses ArrayAdapter with ListView.

PROGRAM CODE :

JAVA CODE:

```
package com.example.arrayadapter;

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 {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ListView list=findViewById(R.id.listview);
        String[] item=new
String[]{"Recent","Pictures","Video","Documents","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() {

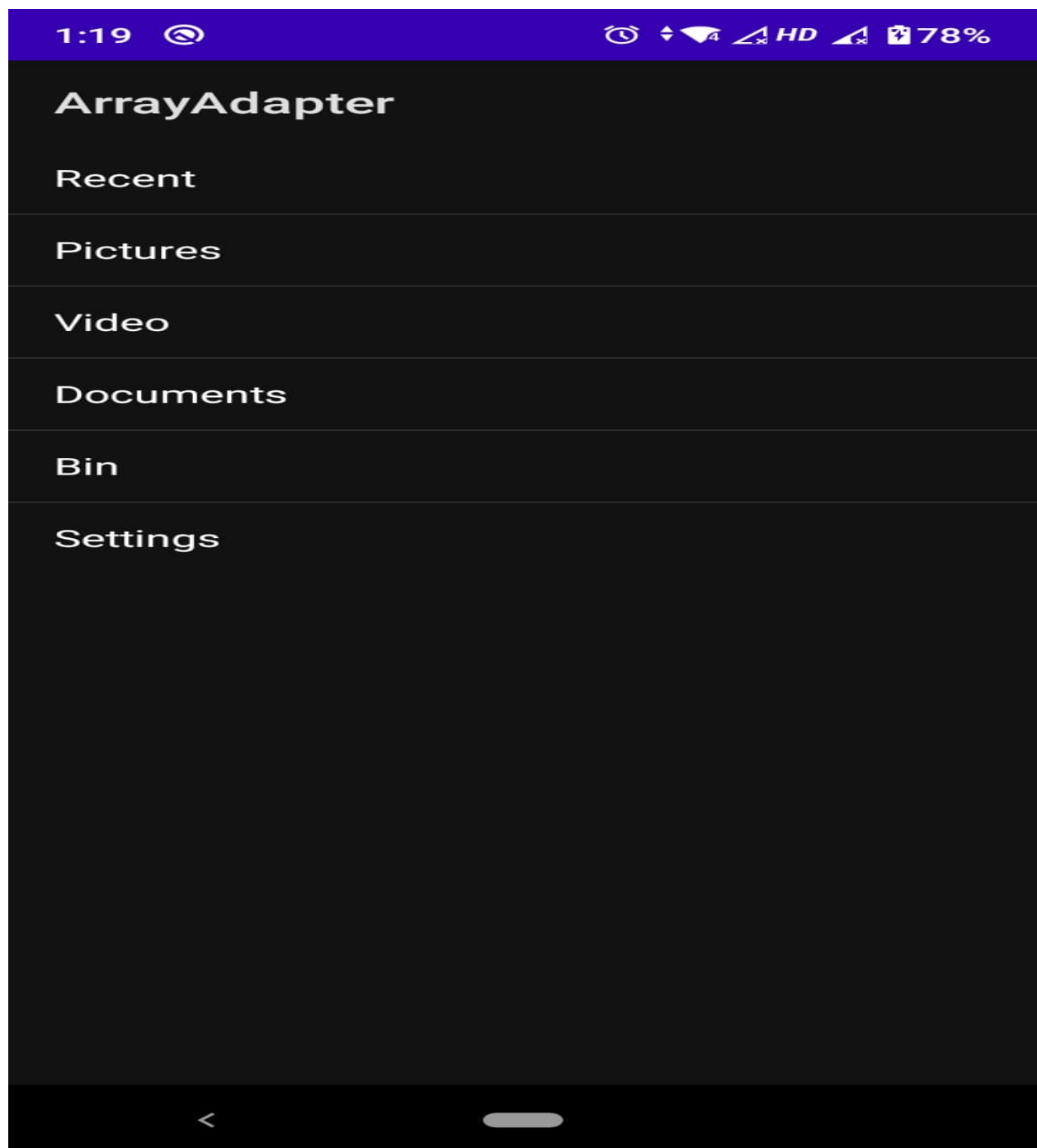
            @Override
            public void onItemClick(AdapterView<?> parent,View view,int position,long id) {
                String item_name=item[position];
                Toast.makeText(MainActivity.this,item_name, Toast.LENGTH_SHORT).show();
            }
        })
    }
}
```

```
    });  
  }  
}
```

XML CODE:

```
<?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/listview"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    tools:layout_editor_absoluteX="1dp"  
    tools:layout_editor_absoluteY="1dp"  
    tools:ignore="MissingConstraints" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT



1:19



78%

ArrayAdapter

Recent

Pictures

Video

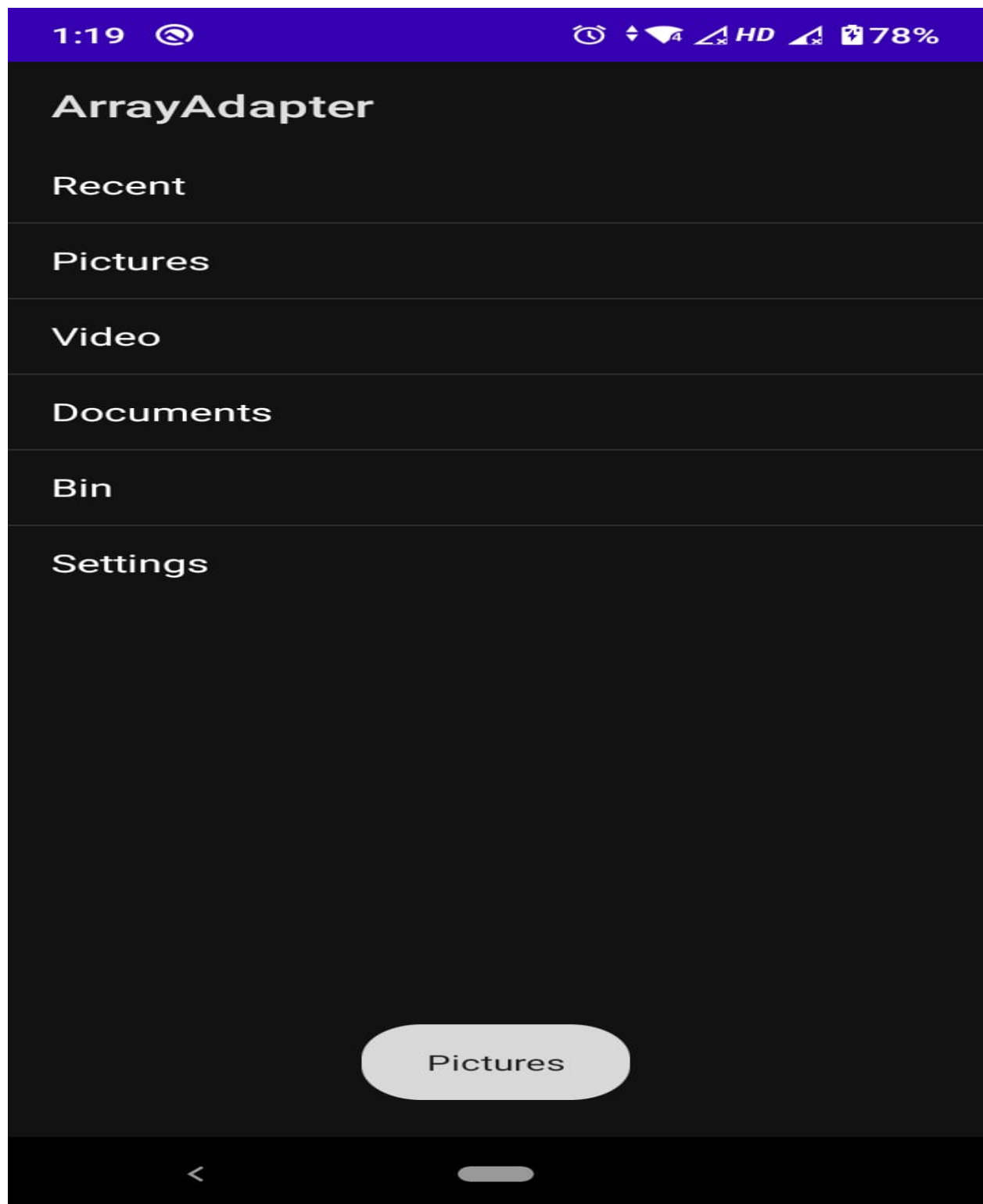
Documents

Bin

Settings

Settings





RESULT : Program has been successfully executed and output is obtained.