**MainActivity**

package com.example.gridviewe;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.GridView;

import android.widget.TextView;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

TextView selectedOpt;

String[] fruits={"Apple","mango","Banana","Grapes","Orange","pineapple","plum"};

@SuppressLint("WrongViewCast")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

selectedOpt = findViewById(R.id.textView);

GridView g= findViewById(R.id.simplegrid);

ArrayAdapter<String> arrayAdapter=new ArrayAdapter<String>(this,R.layout.selectedopt,R.id.textView,fruits);

g.setAdapter(arrayAdapter);

g.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

public void onItemClick(AdapterView<?> parent, View view, int position, long id) {

String item = (String) g.getItemAtPosition(position);

Toast toast = Toast.makeText(getApplicationContext(), "Your are selected"+item, Toast.LENGTH\_SHORT);

toast.show();

}

});

}

**activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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">

<GridView

android:id="@+id/simplegrid"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:horizontalSpacing="6dp"

android:numColumns="2"

android:verticalSpacing="6dp" />

</RelativeLayout>

**Selectedopt.xml**

<?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"

android:orientation="vertical"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/textView"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="center"

android:padding="12dp"

android:text="TextView"

android:textAppearance="@style/TextAppearance.AppCompat.Large"

app:fontFamily="monospace" />

</LinearLayout>

**Output**

