

Create a layout file for the student information card (grid_item_student.xml):

```
<!-- grid_item_student.xml -->
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"    android:layout_height="wrap_content"
    android:orientation="vertical"    android:padding="16dp">

    <TextView
        android:id="@+id/textViewName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="18sp"
        android:textStyle="bold"/>

    <TextView    android:id="@+id/textViewEmail"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="16sp"
        android:textColor="@android:color/darker_gray"/>

</LinearLayout>
```

Create a layout file for the main activity (activity_main.xml) containing the GridView: <!-- activity_main.xml -->

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"    android:layout_height="match_parent">

    <GridView
        android:id="@+id/gridViewStudents"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:numColumns="2"
        android:verticalSpacing="16dp"
        android:horizontalSpacing="16dp"
        android:padding="16dp"/>

</RelativeLayout>
```

Modify your activity to populate the GridView with student information cards (MainActivity.java):

```
import android.os.Bundle; import
android.widget.GridView; import
androidx.appcompat.app.AppCompatActivity; import
java.util.ArrayList; import java.util.List;

public class MainActivity extends AppCompatActivity {

    private GridView gridViewStudents;
    private StudentAdapter adapter;    private
    List<Student> studentList;
```

```
@Override    protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);

    gridViewStudents = findViewById(R.id.gridViewStudents);

    // Initialize student list and adapter    studentList
= new ArrayList<>();    adapter = new
StudentAdapter(this, studentList);
gridViewStudents.setAdapter(adapter);

    // Populate sample student data (replace with your actual data)
populateStudentData();

}

private void populateStudentData() {    // Add sample student data to the list
studentList.add(new Student("John Doe", "john.doe@example.com"));
studentList.add(new Student("Jane Smith", "jane.smith@example.com"));
studentList.add(new Student("Michael Johnson",
"michael.johnson@example.com"));    studentList.add(new Student("Emily
Davis", "emily.davis@example.com"));    studentList.add(new
Student("Christopher Brown", "christopher.brown@example.com"));

    // Notify adapter of data change
adapter.notifyDataSetChanged();
```

}

}