Program 8

Create an android application to demonstrate Grid View.

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<GridView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/gridview"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:columnWidth="120dp"
    android:numColumns="3"
    android:verticalSpacing="10dp"
    android:horizontalSpacing="10dp"
    android:stretchMode="columnWidth"
    android:gravity="center"
    />
```

MainActivity.java

```
package com.example.study1;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

ImageAdaptor.java

```
public ImageAdapter(Context c) {
public Object getItem(int position) {
        imageView.setScaleType(ImageView.ScaleType.CENTER CROP);
       imageView.setPadding(8, 8, 8, 8);
```

```
R.drawable.sample6,
R.drawable.sample7,
R.drawable.sample0,
R.drawable.sample1,
R.drawable.sample2,
R.drawable.sample3,
R.drawable.sample4,
R.drawable.ic_launcher_background,
R.drawable.sample6,
R.drawable.sample0,
R.drawable.sample1,
R.drawable.sample1,
R.drawable.sample2,
R.drawable.sample3,
R.drawable.sample4,
R.drawable.sample5,
R.drawable.sample6,
R.drawable.sample6,
R.drawable.sample7,
R.drawable.sample7,
R.drawable.sample7,
R.drawable.sample0, R.drawable.sample1
};
```

Output

