Program 9. Demonstrate ImageView and GridView

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="30dp"
    android:horizontalSpacing="5dp"
    android:stretchMode="columnWidth"
    android:gravity="center"
    />
```

MainActivity.java

```
package com.example.pgm91;
   public ImageAdapter(Context c) {
   public int getCount() {
   public Object getItem(int position) {
   public long getItemId(int position) {
   public View getView(int position, View
           convertView, ViewGroup parent) {
           imageView.setPadding(8, 8, 8, 8);
           R.drawable.c_{i}
           R.drawable.d,
```

activity_single_view.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >
    <ImageView android:id="@+id/SingleView"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"/>
</LinearLayout>
```

SingleViewActivity.java

```
import androidx.appcompat.app.AppCompatActivity;
import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.ImageView;
public class SingleViewActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_single_view);
        // Get intent data
        Intent i = getIntent();

// Selected image id
        int position = i.getExtras().getInt("id");
        ImageAdapter imageAdapter = new ImageAdapter(this);
        ImageView imageView = (ImageView);
        imageView.setImageResource(imageAdapter.picIds[position]);
    }
}
```

Output

