```java
package com.example.ciedemo;

import androidx.appcompat.app.AppCompatActivity;
import androidx.fragment.app.Fragment;

import android.content.Intent;
import android.media.Rating;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.GridView;

public class MainActivity extends AppCompatActivity {

    GridView gv;
    Dataadapter dataadapter;
    Button rating,contact;
    int []
images={R.drawable.five,R.drawable.four,R.drawable.three,R.drawable.two,R.drawable.tw
o};
    String [] names={"five","four","three","two","one"};


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

        initialize();
    }

    private void initialize() {
        gv=findViewById(R.id.gv);
        dataadapter=new Dataadapter(this,images);
        gv.setAdapter(dataadapter);
        rating=findViewById(R.id.button);
        contact=findViewById(R.id.button2);

        gv.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int position,
long id) {
                    Intent obj = new Intent(getApplicationContext(),second.class);
                    String temp= String.valueOf(images[position]);
                    obj.putExtra("image",temp);
                    obj.putExtra("imagename",names[position]);

                    startActivity(obj);
            }
        });

        rating.setOnClickListener(new View.OnClickListener() {
```

```java
            @Override
            public void onClick(View v) {
                Intent obj = new Intent(getApplicationContext(),rating.class);
                startActivity(obj);
            }
        });
        contact.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent obj=new Intent(getApplicationContext(),seek.class);
                startActivity(obj);
            }
        });
    }
}
```

```java
package com.example.ciedemo;

import android.content.Context;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.Gallery;
import android.widget.ImageView;

public class Dataadapter extends BaseAdapter {

    Context c;
    int [] images;

    public Dataadapter(Context c, int [] images){
        this.c=c;
        this.images=images;

    }

    @Override
    public int getCount() {
        return images.length;
    }

    @Override
    public Object getItem(int position) {
        return position;
    }

    @Override
    public long getItemId(int position) {
        return position;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent) {
        ImageView iv = new ImageView(c);
```

```java
            iv.setImageResource(images[position]);
            return iv;
    }
}
```

```xml
<?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=".second">

    <ImageView
        android:id="@+id/iv"
        android:layout_width="362dp"
        android:layout_height="394dp"
        android:layout_marginStart="144dp"
        android:layout_marginTop="155dp"
        android:layout_marginEnd="139dp"
        android:layout_marginBottom="448dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.512"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.176"
        tools:srcCompat="@tools:sample/avatars" />

    <TextView
        android:id="@+id/tv"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="116dp"
        android:text="TextView"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/iv" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```java
package com.example.ciedemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.ImageView;
import android.widget.TextView;

public class second extends AppCompatActivity {

    ImageView iv;
    TextView tv;
```

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

        initialize();

    }

    private void initialize() {
        iv=findViewById(R.id.iv);
        tv=findViewById(R.id.tv);



iv.setImageResource(Integer.parseInt(getIntent().getExtras().getString("image")));
        tv.setText(getIntent().getExtras().getString("imagename"));
    }

}
```

```xml
<?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=".seek">

    <SeekBar
        android:id="@+id/seekBar"
        android:layout_width="179dp"
        android:layout_height="91dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.435"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.103"
        android:background="@color/colorPrimary"
        android:max="200"
        android:progress="10"/>

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="TextView"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

```xml
    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="TextView"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.243"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```java
package com.example.ciedemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.SeekBar;
import android.widget.TextClock;
import android.widget.TextView;

public class seek extends AppCompatActivity {
    SeekBar sk;
    TextView tv3,tv4;

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

    }

    private void intz() {
        sk=findViewById(R.id.seekBar);
        tv3=findViewById(R.id.textView);
        tv4=findViewById(R.id.textView2);

        sk.setOnSeekBarChangeListener(new SeekBar.OnSeekBarChangeListener() {
            int i;
            @Override
            public void onProgressChanged(SeekBar seekBar, int progress, boolean
fromUser) {
                i=progress;
            }

            @Override
            public void onStartTrackingTouch(SeekBar seekBar) {
                tv3.setText(String.valueOf(i));
            }

            @Override
            public void onStopTrackingTouch(SeekBar seekBar) {
                tv4.setText(String.valueOf(i));
```

```
        }
    });

    }
}
```

```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"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".rating">

    <RatingBar
        android:id="@+id/ratingBar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:max="5"
        android:rating="1"
        android:stepSize="1"

        app:layout_constraintVertical_bias="1.0" />

    <TextView
        android:id="@+id/tv2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="56dp"
        android:text="TextView" />
</LinearLayout>
```

```java
package com.example.ciedemo;

import androidx.appcompat.app.AppCompatActivity;

import android.content.res.ColorStateList;
import android.graphics.Color;
import android.media.Rating;
import android.os.Bundle;
import android.widget.RatingBar;
import android.widget.TextView;
import android.widget.Toast;

public class rating extends AppCompatActivity {

    RatingBar rb;
    TextView tv2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_rating);
        initialise();
    }
```

```java
    private void initialise() {
        rb=findViewById(R.id.ratingBar);
        tv2=findViewById(R.id.tv2);

        rb.setOnRatingBarChangeListener(new RatingBar.OnRatingBarChangeListener() {
            @Override
            public void onRatingChanged(RatingBar ratingBar, float rating, boolean
fromUser) {
                Toast.makeText(rating.this, rating+".", Toast.LENGTH_SHORT).show();;
                String r= String.valueOf(rating);
                tv2.setText(r);
                tv2.setTextColor(Color.RED);
            }
        });

    }


}
```