**Internship Task-2**

**Code:**

**MainActivity.java**

*package* com.example.phntasktwo;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.content.Intent;  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.AdapterView;  
*import* android.widget.ListView;  
*import* android.widget.Toast;  
  
*public class* MainActivity *extends* AppCompatActivity {  
 ListView listView;  
 *int*[] birds={R.drawable.egle,R.drawable.flmingo,R.drawable.greycrownedcranes,R.drawable.hummingbird  
 ,R.drawable.kingfisher,R.drawable.owl,R.drawable.parrot,R.drawable.peacock,R.drawable.swan};  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 getSupportActionBar().hide();  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 listView=findViewById(R.id.customList);  
  
 custumBaseAdapter custumBaseAdapter=*new* custumBaseAdapter(getApplicationContext(),birds);  
 listView.setAdapter(custumBaseAdapter);  
 listView.setOnItemClickListener(*new* AdapterView.OnItemClickListener() {  
 @Override  
 *public void* onItemClick(AdapterView<?> parent, View view, *int* position, *long* id) {  
 Intent intent=*new* Intent(MainActivity.*this*,secondView.*class*);  
 intent.putExtra("position",position);  
 startActivity(intent);  
 }  
 });  
 }  
}

**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">  
  
 <ListView  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="match\_parent"  
 *android:id*="@+id/customList"  
 />  
  
</RelativeLayout>

**secondView.java**

*package* com.example.phntasktwo;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.content.Intent;  
*import* android.os.Bundle;  
*import* android.widget.ImageView;  
*import* android.widget.TextView;  
*import* android.widget.Toast;  
  
*public class* secondView *extends* AppCompatActivity {  
  
 *int*[] birds={R.drawable.egle,R.drawable.flmingo,R.drawable.greycrownedcranes,R.drawable.hummingbird  
 ,R.drawable.kingfisher,R.drawable.owl,R.drawable.parrot,R.drawable.peacock,R.drawable.swan};  
 String[] names={"Egle","Flamingo","Grey Crowned Cranes","Humming Bird","King Fisher","Owl","Parrot","peacock","Swan"};  
 ImageView imageView;  
 TextView textView;  
  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 getSupportActionBar().hide();  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_second\_view);  
 Intent i=getIntent();  
 *int* position = i.getIntExtra("position", 0);  
 textView=findViewById(R.id.textView);  
 imageView=findViewById(R.id.imageView2);  
 imageView.setImageResource(birds[position]);  
 textView.setText(names[position]);  
  
 Toast.*makeText*(*this*, names[position], Toast.LENGTH\_SHORT).show();  
  
 }  
}

**activity\_second\_view.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*=".secondView">  
  
 <ImageView  
 *android:id*="@+id/imageView2"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="400dp"  
 *app:layout\_constraintBottom\_toBottomOf*="parent"  
 *app:layout\_constraintHorizontal\_bias*="0.0"  
 *app:layout\_constraintLeft\_toLeftOf*="parent"  
 *app:layout\_constraintRight\_toRightOf*="parent"  
 *app:layout\_constraintTop\_toTopOf*="parent"  
 *app:layout\_constraintVertical\_bias*="0.048" />  
  
 <TextView  
 *android:id*="@+id/textView"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="TextView"  
 *android:textColor*="#E65100"  
 *android:textSize*="40sp"  
 *android:textStyle*="bold"  
 *app:layout\_constraintBottom\_toBottomOf*="parent"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toTopOf*="parent"  
 *app:layout\_constraintVertical\_bias*="0.65" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**customBaseAdapter.java**

*package* com.example.phntasktwo;  
  
*import* android.content.Context;  
*import* android.view.LayoutInflater;  
*import* android.view.View;  
*import* android.view.ViewGroup;  
*import* android.widget.BaseAdapter;  
*import* android.widget.ImageView;  
  
*public class* custumBaseAdapter *extends* BaseAdapter {  
 Context context;  
 LayoutInflater inflater;  
 *int*[] image;  
  
 *public* custumBaseAdapter(Context ctx,*int*[] image){  
 *this*.context=ctx;  
 *this*.image=image;  
 inflater=LayoutInflater.*from*(ctx);  
 }  
 @Override  
 *public int* getCount() {  
 *return* image.length;  
 }  
  
 @Override  
 *public* Object getItem(*int* position) {  
 *return null*;  
 }  
  
 @Override  
 *public long* getItemId(*int* position) {  
 *return* 0;  
 }  
  
 @Override  
 *public* View getView(*int* position, View convertView, ViewGroup parent) {  
 convertView=inflater.inflate(R.layout.custumitem,*null*);  
 ImageView imageView=(ImageView) convertView.findViewById(R.id.imageView);  
 imageView.setImageResource(image[position]);  
 *return* convertView;  
 }  
}

**custumitem.xml**

<?*xml version*="1.0" *encoding*="utf-8"?>  
<RelativeLayout *xmlns:android*="http://schemas.android.com/apk/res/android"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="match\_parent">  
 <ImageView  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="250dp"  
 *android:layout\_margin*="10dp"  
 *android:id*="@+id/imageView"/>  
</RelativeLayout>

**Screenshot**

|  |  |
| --- | --- |
|  |  |

|  |  |
| --- | --- |
|  |  |