

3 images

activity_main.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"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    android:padding="16dp"
    android:background="@android:color/white">

    <!-- App Name at the Top -->
    <TextView
        android:id="@+id/appTitle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Auto Slider"
        android:textSize="24sp"
        android:textStyle="bold"
        android:padding="10dp"
        android:textColor="@android:color/white"
        android:background="@android:color/holo_purple"
        android:layout_marginBottom="16dp"/>

    <!-- ViewPager2 for Image Slider -->
    <androidx.viewpager2.widget.ViewPager2
        android:id="@+id/viewPager"
        android:layout_width="300dp"
        android:layout_height="180dp"
        android:layout_marginBottom="10dp"/>

</LinearLayout>
```

item_image.xml

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:scaleType="centerCrop"
        android:contentDescription="slider image" />

</FrameLayout>
```

```
</FrameLayout>
```

MainActivity.java

```
package com.example.ad7m;

import android.os.Bundle;
import androidx.appcompat.app.AppCompatActivity;
import androidx.viewpager2.widget.ViewPager2;
import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

    ViewPager2 viewPager;
    ImageSliderAdapter adapter;
    ArrayList<Integer> imageList;

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

        imageList = new ArrayList<>();
        imageList.add(R.drawable.img1);
        imageList.add(R.drawable.img2);
        imageList.add(R.drawable.img3);

        adapter = new ImageSliderAdapter(imageList);
        viewPager.setAdapter(adapter);
    }
}
```

ImageSliderAdapter.java

```
package com.example.ad7m;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import java.util.ArrayList;

public class ImageSliderAdapter extends
RecyclerView.Adapter<ImageSliderAdapter.ViewHolder> {

    ArrayList<Integer> images;
```

```
public ImageSliderAdapter(ArrayList<Integer> images) {
    this.images = images;
}

@NonNull
@Override
public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int
viewType) {
    View v =
LayoutInflater.from(parent.getContext()).inflate(R.layout.item_image, parent,
false);
    return new ViewHolder(v);
}

@Override
public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
    holder.imageView.setImageResource(images.get(position));
}

@Override
public int getItemCount() {
    return images.size();
}

public static class ViewHolder extends RecyclerView.ViewHolder {
    ImageView imageView;
    public ViewHolder(@NonNull View itemView) {
        super(itemView);
        imageView = itemView.findViewById(R.id.imageView);
    }
}
}
```