

Create an app to navigate from one Activity to another Using an Intent object and passing data.

activity_main.xml

```
package com.example.lab01;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    Button btn;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        btn = findViewById(R.id.button);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(MainActivity.this, Second_Activity.class);
                startActivity(i);
                Toast.makeText(MainActivity.this, "Hello
welcome", Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

MainActivity.java

```
package com.example.lab01;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    Button btn;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        btn = findViewById(R.id.button);
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(MainActivity.this, Second_Activity.class);
                startActivity(i);
                Toast.makeText(MainActivity.this, "Hello
welcome", Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

activity_second.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_Activity">
    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="184dp"
        android:layout_height="0dp"
        android:layout_marginStart="98dp"
        android:layout_marginTop="46dp"
        android:layout_marginBottom="64dp"
        app:layout_constraintBottom_toTopOf="@+id/textView2"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/img_1" />
    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="46dp"
        android:layout_marginBottom="412dp"
        android:text="Activity"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="@+id/imageView2"
        app:layout_constraintTop_toBottomOf="@+id/imageView2" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

Second_Activity.java

```

package com.example.lab01;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class Second_Activity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);
    }
}

```

Output:-



Activity

BUTTON



Activity

Hello welcome

