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Title :: To design an application using Table Layout, Frame Layout and Intent.

XML 1:: (table layout)

```
<?xml version="1.0" encoding="utf-8"?>
<TableLayout
    xmlns:android="http://schemas.android.com/apk/res/
    android"
        android:id="@+id/main"
        android:layout_height="match_parent"
        android:stretchColumns="1"
        android:padding="20dp"
        android:gravity="center_horizontal"
        android:layout_marginTop="80dp"
        android:layout_width="match_parent">

    <TableRow
        android:gravity="center_vertical|center_horizontal">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:padding="8dp"
            android:text="Exam Session:"
            android:textSize="18sp"
            android:textStyle="bold" />

        <EditText
            android:id="@+id/editText2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Enter Session"
            android:inputType="text" />
    </TableRow>
    <!-- Button -->
    <TableRow android:gravity="center">

        <Button
            android:id="@+id/buttonGetResults"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="20dp"
            android:padding="12dp"
            android:text="Get Results" />
    </TableRow>
</TableLayout>
```

JAVA 1 ::

```
package com.example.exp3;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
```

```
import android.widget.EditText;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
```

```
public class MainActivity extends AppCompatActivity {  
  
    EditText e1, e2;  
    Button b;  
  
    @SuppressLint("MissingInflatedId")  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        EdgeToEdge.enable(this);  
        setContentView(R.layout.activity_main);  
  
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {  
            Insets systemBars =  
                insets.getInsets(WindowInsetsCompat.Type.systemBars());  
            v.setPadding(systemBars.left, systemBars.top,  
                        systemBars.right, systemBars.bottom);  
        });  
    }  
  
    return insets;  
});  
e1 = findViewById(R.id.editText1);  
e2 = findViewById(R.id.editText2);  
b = findViewById(R.id.buttonGetResults);  
  
b.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        String prn = e1.getText().toString();  
        String session = e2.getText().toString();  
  
        Intent i = new Intent(MainActivity.this,  
                               MainActivity2.class);  
        i.putExtra("prn", prn);  
        i.putExtra("session", session);  
        startActivity(i);  
    }  
});  
}  
}
```

XML 2 ::

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
        android:id="@+id/main"
        android:layout_height="match_parent"
        android:layout_width="match_parent"
        android:background="@drawable/img"
        android:padding="20dp" >
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:background="#AFFFFFFF"
    android:padding="16dp">
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Session:"
    android:textSize="18sp"
    android:padding="8dp" />
<EditText
    android:id="@+id/editTextSessionFrame"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:enabled="false" />
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="PRN:"
    android:textSize="18sp"
    android:padding="8dp" />
<EditText
    android:id="@+id/editTextPrnFrame"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:enabled="false" />
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Session:"/>
<EditText
    android:id="@+id/editTextSessionFrame"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:enabled="false" />
</LinearLayout>
```

```

        android:layout_height="wrap_content"
        android:text="Result:"
        android:textSize="18sp"
        android:padding="8dp" />
    <EditText
        android:id="@+id/editTextResult"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Result" />
</LinearLayout>

```

```

<Button
        android:id="@+id/buttonGoBack"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Go Back"
        android:layout_gravity="center_horizontal"
        android:padding="12dp"
        android:layout_marginTop="20dp" />
</LinearLayout>
</FrameLayout>

```

JAVA 2 ::

```

package com.example.exp3;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity2 extends AppCompatActivity
{

    EditText e1, e2;
    Button b;
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle
    savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main2);

        ViewCompat.setOnApplyWindowInsetsListener(findVie

```

```

wById(R.id.main), (v, insets) -> {
    Insets systemBars =
    insets.getInsets(WindowInsetsCompat.Type.systemBar
s());
    v.setPadding(systemBars.left, systemBars.top,
    systemBars.right, systemBars.bottom);
    return insets;
});

e1 = findViewById(R.id.editTextPrnFrame);
e2 = findViewById(R.id.editTextSessionFrame);
b = findViewById(R.id.buttonGoBack);

Intent i1 = getIntent();
String prn = i1.getStringExtra("prn");
String session = i1.getStringExtra("session");

e1.setText(prn);
e2.setText(session);

b.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        finish();
    }
});
}
}
```

OUTPUT ::

