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Write an Android Program to Demonstrate Date Picker Dialog in Android.

Sure, here's an Android program that demonstrates the use of a Date Picker Dialog:

1. \*\*Layout File (`activity\_main.xml`):\*\*

```xml

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:padding="16dp"

tools:context=".MainActivity">

<Button

android:id="@+id/btnDatePicker"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Date" />

<TextView

android:id="@+id/tvSelectedDate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="16dp"

android:text="Selected Date: "

android:textSize="18sp" />

</LinearLayout>

```

2. \*\*Java Code (`MainActivity.java`):\*\*

```java

import android.app.DatePickerDialog;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity {

private Button btnDatePicker;

private TextView tvSelectedDate;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

btnDatePicker = findViewById(R.id.btnDatePicker);

tvSelectedDate = findViewById(R.id.tvSelectedDate);

btnDatePicker.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

showDatePickerDialog();

}

});

}

private void showDatePickerDialog() {

// Get current date

final Calendar calendar = Calendar.getInstance();

int year = calendar.get(Calendar.YEAR);

int month = calendar.get(Calendar.MONTH);

int dayOfMonth = calendar.get(Calendar.DAY\_OF\_MONTH);

// Create DatePickerDialog instance

DatePickerDialog datePickerDialog = new DatePickerDialog(MainActivity.this,

new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year, int month, int dayOfMonth) {

// Display selected date

String selectedDate = dayOfMonth + "/" + (month + 1) + "/" + year;

tvSelectedDate.setText("Selected Date: " + selectedDate);

}

}, year, month, dayOfMonth);

// Show DatePickerDialog

datePickerDialog.show();

}

}

```

This code creates an Android app with a button. When the button is clicked, a Date Picker Dialog pops up, allowing the user to select a date. The selected date is then displayed in a TextView below the button.