DATE AND TIME

XML:

```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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/datetime"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:hint="Display!"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginTop="40dp" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Show Time"
        android:onClick="showTime"
        app:layout_constraintTop_toBottomOf="@+id/datetime"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginTop="24dp" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="191dp"
        android:layout_height="183dp"
        app:srcCompat="@android:drawable/btn_star_big_on"
        app:layout_constraintTop_toBottomOf="@+id/button"
```

```
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            android:layout_marginTop="24dp" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

JAVA CODE:

```
package com.example.eg;

import android.os.Bundle;
import android.view.View;
import android.widget.TextView;

import java.text.DateFormat;
import java.util.Date;
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 {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
    }
    public void showTime(View v)
    {
        TextView tv=(TextView)findViewById(R.id.datetime);
        Date d=new Date();
        String s=DateFormat.getDateTimeInstance().format(d);
        tv.setText(s);
    }
}
```

OUTPUT: