**Practical – 9 : Make Android App which Demonstrate use of time picker.**

**Activity\_main.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=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView1"  
 android:layout\_width="255dp"  
 android:layout\_height="70dp"  
 android:layout\_above="@+id/button1"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_marginTop="60dp"  
 android:text="Time"  
 android:textSize="25dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.568"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/button1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="66dp"  
 android:text="Change Time"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/timePicker" />  
  
 <TimePicker  
 android:id="@+id/timePicker"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_above="@+id/textView1"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="140dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java**

package com.example.datepicker;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.DatePicker;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
  
 DatePicker picker;  
 Button displayDate;  
 TextView textview1;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 textview1=(TextView)findViewById(R.id.*textView1*);  
 picker=(DatePicker)findViewById(R.id.*datePicker*);  
 displayDate=(Button)findViewById(R.id.*button1*);  
  
 textview1.setText("Current Date: "+getCurrentDate());  
  
 displayDate.setOnClickListener(new View.OnClickListener(){  
 @Override  
 public void onClick(View view) {  
  
 textview1.setText("Change Date: "+getCurrentDate());  
 }  
  
 });  
 }  
 public String getCurrentDate(){  
 StringBuilder builder=new StringBuilder();;  
 builder.append((picker.getMonth() + 1)+"/");*//month is 0 based* builder.append(picker.getDayOfMonth()+"/");  
 builder.append(picker.getYear());  
 return builder.toString();  
 }  
}

**Output:**

