## 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</pre>
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

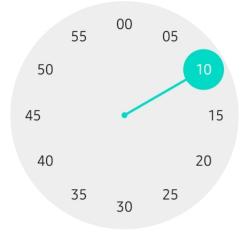
```
package com.example.datepicker;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
```

```
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
        \verb|builder.append(picker.getDayOfMonth()+"/");\\
        builder.append(picker.getYear());
        return builder.toString();
Output:
```



Current Time: 7:10





**::::** 

CHANGE TIME