**Date Picker**

*<?***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"**>

<**Button  
 android:id="@+id/button2"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Current date"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.645"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.178"** />  
  
 <**Button  
 android:id="@+id/button1"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Select the date"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.127"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.040"** />  
  
 <**TextView  
 android:id="@+id/show"  
 android:layout\_width="0dp"  
 android:layout\_height="58dp"  
 android:text=" "  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.321"** />  
  
 <**DatePicker  
 android:id="@+id/datePicker"  
 android:layout\_width="351dp"  
 android:layout\_height="324dp"  
  
 android:layout\_centerHorizontal="true"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.793"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Main java file

**package** com.example.date;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**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** java.util.Calendar;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 TextView **select** ;  
 Button **buttonchange**;  
 Button **bcurrent**;  
 DatePicker **datePicker**;  
 **int yy**,**mm**,**dd**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 intialization();  
 click();  
 }  
 **private void** intialization(){  
 **select**=findViewById(R.id.***show***);  
 **buttonchange**=findViewById(R.id.***button1***);  
 **bcurrent**=findViewById(R.id.***button2***);  
 **datePicker**=findViewById(R.id.***datePicker***);  
 **datePicker**.setVisibility(View.***GONE***);  
 **select**.setVisibility(View.***GONE***);  
 }  
 **private void** click(){  
 **bcurrent**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **datePicker**.setVisibility(View.***VISIBLE***);  
 **select**.setVisibility(View.***INVISIBLE***);  
 }  
 });

**buttonchange**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
  
 Calendar c=Calendar.*getInstance*();  
 **yy**=c.get(Calendar.***YEAR***);  
 **mm**=c.get(Calendar.***MONTH***);  
 **dd**=c.get(Calendar.***DAY\_OF\_MONTH***);

DatePickerDialog dialogbox = **new** DatePickerDialog(MainActivity.**this**, **new** DatePickerDialog.OnDateSetListener() {  
 @Override  
  
 **public void** onDateSet(DatePicker view, **int** year, **int** month, **int** dayOfMonth) {  
 **selectdate**.setText(dayOfMonth + **"/"** + (month+1) +**" / "** + year);  
 }  
 },**yy**,**mm**,**dd**);  
 dialogbox.show();  
 **selectdate**.setVisibility(View.***VISIBLE***);  
 **datePicker**.setVisibility(View.***INVISIBLE***);  
 }  
 });  
 }  
}

**Time picker**

*<?***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"**>  
 <**Button  
 android:id="@+id/button1"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Show current time"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.785"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.201"** />  
  
 <**Button  
 android:id="@+id/button2"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Select time here"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.109"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.040"** />  
  
 <**TextView  
 android:id="@+id/show"  
 android:layout\_width="0dp"  
 android:layout\_height="58dp"  
 android:text=" "  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.319"** />  
  
 <**TimePicker  
 android:id="@+id/timePickertime"  
 android:layout\_width="307dp"  
 android:layout\_height="406dp"  
  
 android:layout\_centerHorizontal="true"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.92"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Main Java file

**package** com.example.time;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.app.TimePickerDialog;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.TextView;  
**import** android.widget.TimePicker;  
  
**import** java.util.Calendar;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 TextView **messagetime**;  
 Button **buttonchange**;  
 Button **buttoncurrent**;  
 TimePicker **timepickertime**;  
 **int hh**,**mm**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 intialization();  
 click();  
 }  
 **private void** intialization(){  
 **messagetime**=findViewById(R.id.***messagetime***);  
 **buttonchange**=findViewById(R.id.***button2***);  
 **buttoncurrent**=findViewById(R.id.***button1***);  
 **timepickertime**=findViewById(R.id.***timePickertime***);  
 **timepickertime**.setVisibility(View.***GONE***);  
 **messagetime**.setVisibility(View.***GONE***);  
  
 }  
 **private** String getcurrenttime()  
 {  
 StringBuilder builder = **new** StringBuilder();  
 builder.append(**timepickertime**.getCurrentHour() + **" : "**);  
 builder.append(**timepickertime**.getCurrentMinute());  
 **return** builder.toString();  
 }  
 **private void** click(){  
 **buttoncurrent**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **messagetime**.setText(**"current time is : "** + getcurrenttime());  
 **messagetime**.setVisibility(View.***VISIBLE***);  
 **timepickertime**.setVisibility(View.***INVISIBLE***);  
 }  
 });

**buttonchange**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
  
 Calendar c=Calendar.*getInstance*();  
 **hh** = c.get(Calendar.***HOUR***);  
 **mm** = c.get(Calendar.***MINUTE***);  
  
 TimePickerDialog dialogbox=**new** TimePickerDialog(MainActivity.**this**, **new** TimePickerDialog.OnTimeSetListener() {  
 @Override  
 **public void** onTimeSet(TimePicker view, **int** hourOfDay, **int** minute) {  
 **messagetime**.setText(hourOfDay + **":"** + minute);  
 }  
 },**hh**,**mm**,**true**);  
 dialogbox.show();  
 **messagetime**.setVisibility(View.***VISIBLE***);  
 }  
 });  
  
 }  
}

**Dialog box message**

*<?***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"**>  
  
 <**Button  
 android:id="@+id/appear"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:text="Close"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.038"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Main Java file

**package** com.example.dialogbox;  
  
**import** androidx.appcompat.app.AlertDialog;  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.DialogInterface;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 Button **b1**;  
 AlertDialog.Builder **builder**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 intialization();  
 click();  
  
 }  
  
 **private void** intialization() {  
 **b1** = findViewById(R.id.***appear***);  
 }  
  
 **private void** click() {  
 **btn1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 AlertDialog.Builder builder = **new** AlertDialog.Builder(MainActivity.**this**);  
 builder.setMessage(**"access photos, media, and other file ? "**)  
 .setCancelable(**false**)  
 .setPositiveButton(**"allow"**, **new** DialogInterface.OnClickListener() {  
 @Override  
 **public void** onClick(DialogInterface dialog, **int** which) {  
 finish();  
 }  
 })  
 .setNegativeButton(**"deny"**, **new** DialogInterface.OnClickListener() {  
 @Override  
 **public void** onClick(DialogInterface dialog, **int** which) {  
 dialog.cancel();  
 }  
 });  
 AlertDialog dialog = builder.create();  
 dialog.setTitle(**"select your choice"**);  
 dialog.show();  
 }  
 });  
 }  
}