package com.example.experiment5;

import android.app.DatePickerDialog;

import android.app.TimePickerDialog;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.TimePicker;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity {

*// on below line we are creating variables.*

private Button pickDateBtn;

private TextView selectedDateTV;

private Button pickTimeBtn;

private TextView selectedTimeTV;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

*// on below line we are initializing our variables.*

pickDateBtn = findViewById(R.id.*idBtnPickDate*);

selectedDateTV = findViewById(R.id.*idTVSelectedDate*);

pickTimeBtn = findViewById(R.id.*idBtnPickTime*);

selectedTimeTV = findViewById(R.id.*idTVSelectedTime*);

*// on below line we are adding click listener for our pick date button*

pickDateBtn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

*// on below line we are getting*

*// the instance of our calendar.*

final Calendar c = Calendar.*getInstance*();

*// on below line we are getting*

*// our day, month and year.*

int year = c.get(Calendar.*YEAR*);

int month = c.get(Calendar.*MONTH*);

int day = c.get(Calendar.*DAY\_OF\_MONTH*);

*// on below line we are creating a variable for date picker dialog.*

DatePickerDialog datePickerDialog = new DatePickerDialog(

*// on below line we are passing context.*

MainActivity.this,

new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year,

int monthOfYear, int dayOfMonth) {

*// on below line we are setting date to our text view.*

selectedDateTV.setText(dayOfMonth + "-" + (monthOfYear + 1) + "-" + year);

}

},

*// on below line we are passing year,*

*// month and day for selected date in our date picker.*

year, month, day);

*// at last we are calling show to*

*// display our date picker dialog.*

datePickerDialog.show();

}

});

pickTimeBtn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

*// on below line we are getting the*

*// instance of our calendar.*

final Calendar c = Calendar.*getInstance*();

*// on below line we are getting our hour, minute.*

int hour = c.get(Calendar.*HOUR\_OF\_DAY*);

int minute = c.get(Calendar.*MINUTE*);

*// on below line we are initializing our Time Picker Dialog*

TimePickerDialog timePickerDialog = new TimePickerDialog(MainActivity.this,

new TimePickerDialog.OnTimeSetListener() {

@Override

public void onTimeSet(TimePicker view, int hourOfDay,

int minute) {

*// on below line we are setting selected time*

*// in our text view.*

selectedTimeTV.setText(hourOfDay + ":" + minute);

}

}, hour, minute, false);

*// at last we are calling show to*

*// display our time picker dialog.*

timePickerDialog.show();

}

});

}

}

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

<RelativeLayout

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

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

android:id="@+id/idRLContainer"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

tools:context=".MainActivity">

*<!--on below line we are creating*

*a text for our app-->*

*<!--on below line we are creating a text view-->*

*<!--on below line we are creating*

*a button for date picker-->*

<TextView

android:id="@+id/idTVHeading"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_above="@id/idTVSelectedDate"

android:layout\_centerInParent="true"

android:layout\_marginStart="20dp"

android:layout\_marginTop="20dp"

android:layout\_marginEnd="20dp"

android:layout\_marginBottom="0dp"

android:gravity="center"

android:padding="10dp"

android:text="Change Date and time in Android"

android:textAlignment="center"

android:textColor="@color/black"

android:textSize="20sp"

android:textStyle="bold" />

<TextView

android:id="@+id/idTVSelectedDate"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_above="@id/idBtnPickDate"

android:layout\_centerInParent="true"

android:layout\_marginStart="20dp"

android:layout\_marginTop="10dp"

android:layout\_marginEnd="20dp"

android:layout\_marginBottom="80dp"

android:gravity="center"

android:padding="10dp"

android:text="00-00-0000"

android:textAlignment="center"

android:textColor="@color/black"

android:textSize="20sp"

android:textStyle="bold" />

<Button

android:id="@+id/idBtnPickDate"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_above="@+id/idBtnPickTime"

android:layout\_centerInParent="true"

android:layout\_marginStart="20dp"

android:layout\_marginTop="20dp"

android:layout\_marginEnd="20dp"

android:text="Change Date"

android:textAllCaps="false" />

<TextView

android:id="@+id/idTVSelectedTime"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_above="@id/idBtnPickDate"

android:layout\_centerInParent="true"

android:layout\_marginStart="20dp"

android:layout\_marginTop="20dp"

android:layout\_marginEnd="20dp"

android:layout\_marginBottom="19dp"

android:gravity="center"

android:padding="10dp"

android:text="00:00"

android:textAlignment="center"

android:textColor="@color/black"

android:textSize="20sp"

android:textStyle="bold" />

<Button

android:id="@+id/idBtnPickTime"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_marginStart="20dp"

android:layout\_marginTop="20dp"

android:layout\_marginEnd="20dp"

android:layout\_marginBottom="20dp"

android:text="Change Time"

android:textAllCaps="false" />

</RelativeLayout>