



**MAD/LAB/08** - Create an application that will accept date and time from timepikar and datepikar dialog.

**Step-1** open android studio.

If android studio start from welcome screen of android studio then

Click on **New Project**.

If you open previous created project then first close current open project.

Goto File -> select close project options

You can see the **wel-come screen** of android studio repeat step 1

Click on **New Project**.

Select **empty Activity** form right side panel and click on next button.

**Step-2** Write the Application name as **MADLAB08**

Select Language for Development is **Java**

Select Minimum SDK, scroll upside and choose android version **4.1 JellyBean**.

Click on **Finish** Button

**Step-3** Your Application show two types of file in that select **activity\_main.xml**

Right click on design page area and select **GOTO XML**.

**Change the page layout as relative layout.**

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    style="@style/Theme.MyDemoApp"
    tools:context=".MainActivity">

<EditText
    android:id="@+id/edtdate"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@id/textname"
    android:gravity="center"
    android:hint="Select Date" />
<EditText
    android:id="@+id/edttime"
    android:layout_below="@id/edloc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@id/textname"
    android:gravity="center"
    android:hint="Select Time" />

</RelativeLayout>

```

#### **Step-4 GOTO MainActivity.java**

1. Create object of respective controls(EditText).  
 EditText e1,e2;
2. Find the design layout id of EditText inside Oncreate Methods.  
 e1=findViewById(R.id.edtdate);  
 e2=findViewById(R.id.edttime);
3. Set onclick Listeners to EditText object. And write code for Mainactivity.
4. For Date Piker Dialog  
 edloc.setInputType(InputType.TYPE\_NULL);  
 edloc.setOnClickListener(new View.OnClickListener() {

```

@Override
public void onClick(View view) {
    final Calendar c = Calendar.getInstance();
    mYear = c.get(Calendar.YEAR);
    mMonth = c.get(Calendar.MONTH);
    mDay = c.get(Calendar.DAY_OF_MONTH);

    DatePickerDialog datePickerDialog=new
    DatePickerDialog(MainActivity.this, new DatePickerDialog.OnDateSetListener() {
        @Override
        public void onDateSet(DatePicker view, int year, int monthofyear, int
    day) {

        mYear=year;
        mMonth=monthofyear +1;
        mDay=day;

        edloc.setText(mDay+"/"+mMonth+"/"+mYear);
        }
    },mYear,mMonth,mDay);
    datePickerDialog.setCancelable(false);
    datePickerDialog.show();

}
});

```

##### 5. For Time Piker Dialog

```

edpom.setInputType(InputType.TYPE_NULL);

edpom.setOnClickListener(new View.OnClickListener() {

@Override
public void onClick(View view) {

    final Calendar c = Calendar.getInstance();
    mHour = c.get(Calendar.HOUR_OF_DAY);
    mMinute = c.get(Calendar.MINUTE);

    TimePickerDialog timePickerDialog=new TimePickerDialog(MainActivity.this, new
    TimePickerDialog.OnTimeSetListener() {

@Override
public void onTimeSet(TimePicker timePicker, int hh, int mm) {

```

```
        mHour=hh;
        mMinute=mm;
        edpom.setText(mHour+":"+mMinute);
    }
},mHour,mMinute,false);
timePickerDialog.show();
}
});
```

**FINISH**

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