



MAD/LAB/05 - Create application to read mobile no from user and call the mobile no using intent.

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 **MADLAB05**

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"?>
<LinearLayout
  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"
  android:orientation="vertical"
  android:background="#F1F1C7"
  tools:context=".CallActivity">

  <EditText
    android:inputType="number"
    android:gravity="center"
    android:textColor="@color/black"
    android:textColorHint="#F4A467"
    android:textStyle="bold"
    android:textSize="35sp"
    android:hint="Enter Mobile No"
    android:id="@+id/edtmobno"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"/>

  <Button
    android:layout_margin="20dp"
    android:layout_gravity="center"
    android:textSize="35sp"
    android:text="Call"
    android:id="@+id/btnncall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"/>

</LinearLayout>

```

Step-4 GOTO MainActivity.java

1. Create object of respective controls(EditText And Button).
 EditText e1,e2;
 Button b1;
2. Find the design layout id of Edittext and buttons inside Oncreate Methods.
e1=findViewById(R.id.edtname);
e2=findViewById(R.id.edtpass);
b1=findViewById(R.id.btnshow);
3. Set onclick Listeners to button object. And write code for switch activity.

```
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if(ActivityCompat.checkSelfPermission(CallActivity.this,
Manifest.permission.CALL_PHONE)!= PackageManager.PERMISSION_GRANTED)
        {
            ActivityCompat.requestPermissions(CallActivity.this,new
String[]{Manifest.permission.CALL_PHONE},101);
            return;
        }
        String no=e1.getText().toString();
        Intent callIntent=new Intent(Intent.ACTION_CALL, Uri.parse("tel:"+no));
        startActivity(callIntent);
    }
});
```

Step-4 GOTO AndroidManifest.xml

Add this permission

```
<uses-permission android:name="android.permission.CALL_PHONE" />
```

FINISH