



MAD ASSIGNMENT NO 3

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SMS CODE & EXAMPLE

MainActivity.java File

```
package com.example.tutorialspoint;

import android.Manifest;

import android.content.pm.PackageManager;

import android.os.Bundle;

import android.app.Activity;

import android.support.v4.app.ActivityCompat;

import android.support.v4.content.ContextCompat;

import android.telephony.SmsManager;

import android.util.Log;

import android.view.Menu;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends Activity {

    private static final int MY_PERMISSIONS_REQUEST_SEND_SMS =0 ;

    Button sendBtn;

    EditText txtphoneNo;

    EditText txtMessage;

    String phoneNo;

    String message;

    @Override
```



```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    sendBtn = (Button) findViewById(R.id.btnSendSMS);
    txtphoneNo = (EditText) findViewById(R.id.editText);
    txtMessage = (EditText) findViewById(R.id.editText2);
    sendBtn.setOnClickListener(new View.OnClickListener() {
        public void onClick(View view) {
            sendSMSMessage();
        }
    });
}

protected void sendSMSMessage() {
    phoneNo = txtphoneNo.getText().toString();
    message = txtMessage.getText().toString();
    if (ContextCompat.checkSelfPermission(this,
        Manifest.permission.SEND_SMS)
        != PackageManager.PERMISSION_GRANTED) {
        if (ActivityCompat.shouldShowRequestPermissionRationale(this,
            Manifest.permission.SEND_SMS)) {
        } else {
            ActivityCompat.requestPermissions(this,
                new String[]{Manifest.permission.SEND_SMS},
                MY_PERMISSIONS_REQUEST_SEND_SMS);
        }
    }
}
}

```



```
android:paddingBottom="@dimen/activity_vertical_margin"  
android:paddingLeft="@dimen/activity_horizontal_margin"  
android:paddingRight="@dimen/activity_horizontal_margin"  
android:paddingTop="@dimen/activity_vertical_margin"  
tools:context="MainActivity">
```

```
<ImageButton  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:id="@+id/imageButton"  
    android:src="@drawable/abc"  
    android:layout_below="@+id/textView2"  
    android:layout_centerHorizontal="true" />
```

```
<EditText  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:id="@+id/editText"  
    android:hint="Enter Phone Number"  
    android:phoneNumber="true"  
    android:textColorHint="@color/abc_primary_text_material_dark"  
    android:layout_below="@+id/imageButton"  
    android:layout_centerHorizontal="true" />
```

```
<EditText  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:id="@+id/editText2"
```

```
android:layout_below="@+id/editText"  
android:layout_alignLeft="@+id/editText"  
android:layout_alignStart="@+id/editText"  
android:textColorHint="@color/abc_primary_text_material_dark"  
android:layout_alignRight="@+id/imageButton"  
android:layout_alignEnd="@+id/imageButton"  
android:hint="Enter SMS" />
```

```
<Button
```

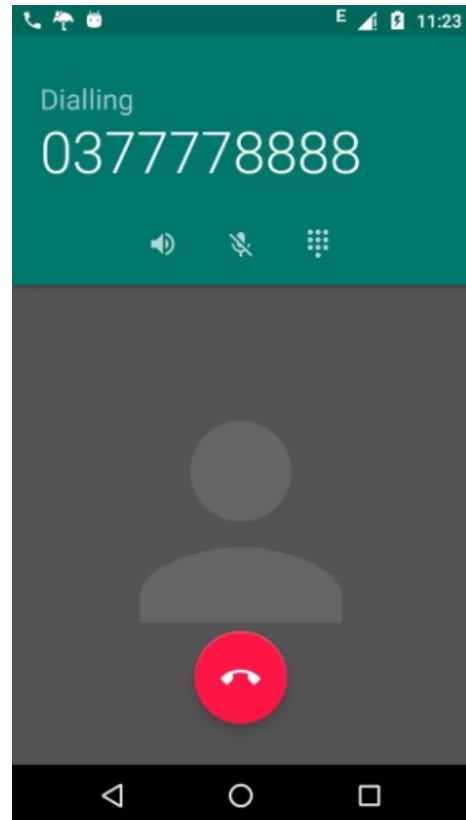
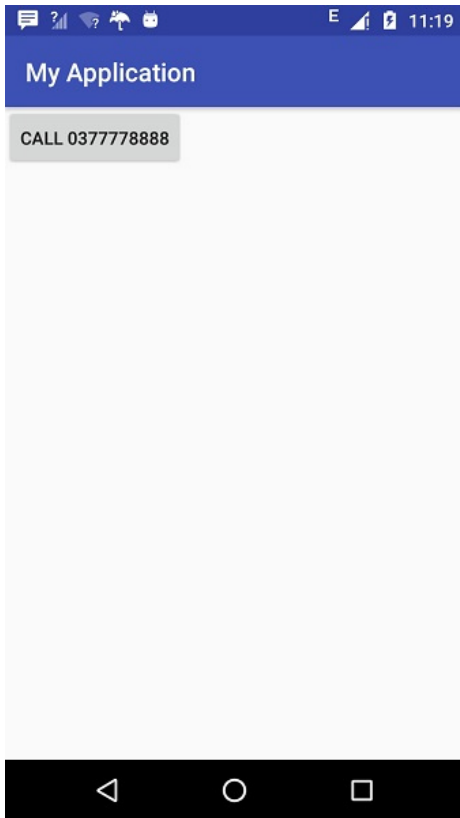
```
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="Send Sms"  
android:id="@+id/btnSendSMS"  
android:layout_below="@+id/editText2"  
android:layout_centerHorizontal="true"  
android:layout_marginTop="48dp" />
```

```
</RelativeLayout>
```

ANDROID CALL CODE

MainActivity.java file

```
package com.example.saira_000.myapplication;  
  
import android.Manifest;  
  
import android.content.Intent;  
  
import android.content.pm.PackageManager;  
  
import android.net.Uri;
```



```
import android.os.Bundle;
import android.support.v4.app.ActivityCompat;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
public class MainActivity extends AppCompatActivity {
    private Button button;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        button = (Button) findViewById(R.id.buttonCall);
        button.setOnClickListener(new View.OnClickListener() {
            public void onClick(View arg0) {
```

```
Intent callIntent = new Intent(Intent.ACTION_CALL);
callIntent.setData(Uri.parse("tel:0377778888"));
if (ActivityCompat.checkSelfPermission(MainActivity.this,
    Manifest.permission.CALL_PHONE) != PackageManager.PERMISSION_GRANTED) {
    return;
}
startActivity(callIntent);
}
});
}
}
```

activity_main.xml file

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >
<Button
    android:id="@+id/buttonCall"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="call 0377778888" />
</LinearLayout>
```

AndroidManifest.xml file

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



```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.saira_000.myapplication" >
    <uses-permission android:name="android.permission.CALL_PHONE" />
    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name="com.example.saira_000.myapplication.MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```