**Answer of Q2**

<!—File Name : activity\_main.xml -->

<?*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/dial"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Dial"  
 *tools:layout\_editor\_absoluteX*="163dp"  
 *tools:layout\_editor\_absoluteY*="259dp" />  
  
 <EditText  
 *android:id*="@+id/number"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:ems*="10"  
 *android:inputType*="number"  
 *android:text*="name"  
 *tools:layout\_editor\_absoluteX*="98dp"  
 *tools:layout\_editor\_absoluteY*="125dp" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

*/\*File Name : MainActivity.java \*/*

*package* com.example.extpractical2;  
*import* androidx.appcompat.app.AppCompatActivity;  
*import* android.os.Bundle;  
*import* android.Manifest;  
*import* android.content.Intent;  
*import* android.net.Uri;  
*import* android.text.TextUtils;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
*import* android.widget.Toast;  
  
*public class* MainActivity *extends* AppCompatActivity {  
  
 *private static final int MAKE\_CALL\_PERMISSION\_REQUEST\_CODE* = 1;  
 *private* Button dial;  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 dial = (Button) findViewById(R.id.*dial*);  
 *final* EditText numberToDial = (EditText) findViewById(R.id.*number*);  
  
 dial.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View view) {  
 String phoneNumber = numberToDial.getText().toString();  
  
 *if* (!TextUtils.*isEmpty*(phoneNumber)) {  
 *if* (checkPermission(Manifest.permission.*CALL\_PHONE*)) {  
 String dial = "tel:" + phoneNumber;  
 startActivity(*new* Intent(Intent.*ACTION\_CALL*, Uri.*parse*(dial)));  
 } *else* {  
 Toast.*makeText*(MainActivity.*this*, "Permission Call Phone denied", Toast.*LENGTH\_SHORT*).show();  
 }  
 } *else* {  
 Toast.*makeText*(MainActivity.*this*, "Enter a phone number", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
  
 *if* (checkPermission(Manifest.permission.*CALL\_PHONE*)) {  
 dial.setEnabled(*true*);  
 } *else* {  
 dial.setEnabled(*false*);  
 ActivityCompat.requestPermissions(*this*, *new* String[]{Manifest.permission.*CALL\_PHONE*}, *MAKE\_CALL\_PERMISSION\_REQUEST\_CODE*);  
 }  
 }  
}