

**Correction TP07****Matière : ATELIER DEVELOPPEMENT MOBILE****Classes : SEM21****AppelTel****AndroidManifest.xml**

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

**MainActivity**

```
package com.appel;
```

```
//imports
```

```
public class MainActivity extends AppCompatActivity {
```

```
    private EditText edNumero;
```

```
    private Button btnAppeler;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
        init();
```

```
    }
```

```
    private void init() {
```

```
        edNumero = (EditText) findViewById(R.id.edNumero);
```

```
        btnAppeler = (Button) findViewById(R.id.btnAppeler);
```

```
        ajouterEcouteur();
```

```
    }
```

```
    private void ajouterEcouteur() {
```

```
        btnAppeler.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```
                appeler();
```

```
            }
```

```
        });
```

```
    }
```

```
    @Override
```

```
    public void onRequestPermissionsResult(int requestCode, String[] permissions, int[] grantResults) {
```

```
        if (requestCode == 101) {
```

```
            if (grantResults[0] == PackageManager.PERMISSION_GRANTED) {
```

```
                appeler();
```

```
            }
```

```
        }
```

```
    }
```

```
    protected void appeler() {
```

```
        String numero = edNumero.getText().toString();
```

```
        if (!numero.isBlank()) {
```

```
            if (ActivityCompat.checkSelfPermission(this, Manifest.permission.CALL_PHONE) !=
```

```
PackageManager.PERMISSION_GRANTED) {
```

```
                ActivityCompat.requestPermissions(MainActivity.this, new
```

```
String[]{Manifest.permission.CALL_PHONE}, 101);
```

```
                return;
```

```
            }
```

```
            Intent i = new Intent(Intent.ACTION_CALL);
```

```
            i.setData(Uri.parse("tel:" + numero));
```

```
            startActivity(i);
```

```
        }
```

```
    }
```

```
}
```

## AndroidManifest.xml

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

## MainActivity

```
package com.sms;
//imports
public class MainActivity extends Activity {
    private EditText edNumero;
    private EditText edCorps;
    private Button btnEnvoyer;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        init();
    }
    private void init() {
        edNumero=(EditText) findViewById(R.id.edNumero);
        edCorps=(EditText) findViewById(R.id.edCorps);
        btnEnvoyer=(Button) findViewById(R.id.btnEnvoyer);
        ajouterEcouteur();
    }
    private void ajouterEcouteur() {
        btnEnvoyer.setOnClickListener(view -> envoyer());
    }
    @Override
    public void onRequestPermissionsResult(int requestCode, String[] permissions, int[] grantResults) {
        if (requestCode == 102) {
            if (grantResults[0] == PackageManager.PERMISSION_GRANTED) {
                envoyer ();
            }
        }
    }

    protected void envoyer() {
        String numero = edNumero.getText().toString();
        String corps = edCorps.getText().toString();
        if(numero.length() >= 8 && !corps.isBlank() ){
            if (ActivityCompat.checkSelfPermission(this, Manifest.permission.SEND_SMS) !=
PackageManager.PERMISSION_GRANTED) {

                ActivityCompat.requestPermissions(MainActivity.this, new String[]{Manifest.permission.SEND_SMS,
Manifest.permission.READ_PHONE_STATE }, 102);
                return;
            }

            SmsManager.getDefault().sendTextMessage(numero, null, corps, null, null);
            edNumero.setText("");
            edCorps.setText("");
            edNumero.requestFocus();
        }else{
            Toast.makeText(this, "Entrer le numéro et le corps SVP!",
                Toast.LENGTH_SHORT).show();
        }
    }
}
```