

Correction TP10**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.isEmpty()) {
```

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

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

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

```
PackageManager.PERMISSION_GRANTED) {
```

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

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

```
                return;
```

```
            }
```

```
            startActivity(i);
```

```
        }
```

```
    }
```

```
}
```

AndroidManifest.xml

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

MainActivity

```
package com.envoi;
```

```
//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() {
```

```
        ActivityCompat.requestPermissions(MainActivity.this, new String[]{Manifest.permission.SEND_SMS,  
Manifest.permission.READ_PHONE_STATE }, 101);
```

```
        edNumero=(EditText) findViewById(R.id.edNumero);  
        edCorps=(EditText) findViewById(R.id.edCorps);  
        btnEnvoyer=(Button) findViewById(R.id.btnEnvoyer);  
        ajouterEcouteur();  
    }
```

```
    private void ajouterEcouteur() {  
        btnEnvoyer.setOnClickListener(new OnClickListener() {  
            @Override  
            public void onClick(View v) {  
                envoyer();  
            }  
        });  
    }
```

```
    }
```

```
    protected void envoyer() {  
        String numero = edNumero.getText().toString();  
        String corps = edCorps.getText().toString();  
        if(numero.length() >= 4 && corps.length() > 0){  
            SmsManager.getDefault().sendTextMessage(numero, null, corps, null, null);  
            edNumero.setText("");  
            edCorps.setText("");  
            edNumero.requestFocus();  
        }else{  
            Toast.makeText(this, "Enter le numéro et/ou le corps SVP!",  
                Toast.LENGTH_SHORT).show();  
        }  
    }
```

```
}
```

```
}
```