	ISET SFAX	**DEPARTEMENT TECHNOLOGIE**	
	AU 2023/2024 S1	**DE L'INFORMATIQUE**	

TP02 Correction	
Matière : ATELIER DEVELOPPEMENT MOBILE AVANCE	Classe : SEM31

```java
package com.suivi;
public class Patient {
    private int id;
    private String nom;
    private String prenom;
    private String date;
    private int tension;
    private int rythme;
    public Patient(int id, String nom, String prenom, String date, int tension,
                int rythme) {
        this.id = id;
        this.nom = nom;
        this.prenom = prenom;
        this.date = date;
        this.tension = tension;
        this.rythme = rythme;
    }
    public int getId() {  return id; }
    public String getNom() {  return nom;  }
    public String getPrenom() {  return prenom; }
    public String getDate() {  return date; }
    public int getTension() {   return tension;  }
    public int getRythme() {   return rythme; }
    @Override
    public String toString() {
        return nom + "-" + prenom + "-" + date;
    }

}


package com.suivi;
// les import nécessaires
public class SQLiteSuivi extends SQLiteOpenHelper {
    public SQLiteSuivi(Context context, String name, SQLiteDatabase.CursorFactory factory,
                int version) {
        super(context, name, factory, version);
    }
    @Override
    public void onCreate(SQLiteDatabase db) {
        String Sql = "create table patient (id INTEGER PRIMARY KEY AUTOINCREMENT,nom text NOT
NULL,prenom text NOT NULL,date text NOT  NULL,tension INTEGER,rythme INTEGER);";
        db.execSQL(Sql);
    }
    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
    }
}
```

```java
package com.suivi;
// les import nécessaires
public class MainActivity extends AppCompatActivity {
    public static final int ACTION_AJOUT=1;
    private Spinner spPatient;
    private EditText edTension;
    private EditText edRythme;
    private Button btnModifier;
    private Button btnNouveau;
    private ArrayAdapter<Patient> adpPatient;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        init();
    }
    private void init() {
        spPatient = (Spinner) findViewById(R.id.spPatient);
        edTension = (EditText) findViewById(R.id.edTension);
        edRythme = (EditText) findViewById(R.id.edRythme);
        btnModifier = (Button) findViewById(R.id.btnModifier);
        btnNouveau = (Button) findViewById(R.id.btnNouveau);
        adpPatient = new ArrayAdapter<Patient>(this,
                android.R.layout.simple_spinner_dropdown_item);
        spPatient.setAdapter(adpPatient);
        remplir();
        ajouterEcouteurs();
    }
    private void ajouterEcouteurs() {
        btnModifier.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                modifier();
            }
        });
        btnNouveau.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                nouveau();

            }
        });
        spPatient.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

            @Override
            public void onItemSelected(AdapterView<?> arg0, View arg1,
                             int arg2, long arg3) {
                actualiser();

            }
            @Override
            public void onNothingSelected(AdapterView<?> arg0) {

            }
        });
    }
    private void remplir() {
        SQLiteSuivi b = new SQLiteSuivi(this, "suivi.db", null, 1);
        SQLiteDatabase db = b.getWritableDatabase();
        Cursor c = db.query("patient", new String[] { "id", "nom", "prenom",
```

```java
                "date", "tension", "rythme" }, "", null, null, null, null);
        adpPatient.clear();
        while (c.moveToNext()) {
            int id = c.getInt(0);
            String nom = c.getString(1);
            String prenom = c.getString(2);
            String date = c.getString(3);
            int tension = c.getInt(4);
            int rythme = c.getInt(5);
            Patient p = new Patient(id, nom, prenom, date, tension, rythme);
            adpPatient.add(p);
        }
        db.close();
    }

    protected void actualiser() {
        Patient p = (Patient) spPatient.getSelectedItem();
        if (p != null) {
            edTension.setText(p.getTension()+"");
            edRythme.setText(p.getRythme()+ "");
        }
    }

    protected void nouveau() {
        Intent i = new Intent(MainActivity.this, Ajout.class);
        startActivityForResult(i,ACTION_AJOUT);
    }

    protected void modifier() {
        if(!edTension.getText().toString().isEmpty()&&!edRythme.getText().toString().isEmpty()){
            Patient p = (Patient) spPatient.getSelectedItem();
            SQLiteSuivi b = new SQLiteSuivi(this, "suivi.db", null, 1);
            SQLiteDatabase db = b.getWritableDatabase();
            ContentValues v = new ContentValues();
            v.put("tension", Integer.parseInt(edTension.getText().toString()));
            v.put("rythme", Integer.parseInt(edRythme.getText().toString()));
            db.update("Patient", v, "id=" + p.getId(), null);
            db.close();
            remplir();
        } else {
            Toast t = Toast.makeText(getApplicationContext(),
                    "Tapez les valeurs de la tension et du rythme SVP!",
                    Toast.LENGTH_LONG);
            t.show();
        }
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        if(requestCode==ACTION_AJOUT)
            if(resultCode==RESULT_OK)
                remplir();
        super.onActivityResult(requestCode, resultCode, data);
    }
}
package com.suivi;
// les import nécessaires
public class Ajout extends AppCompatActivity {
    private EditText edNom;
    private EditText edPrenom;
    private EditText edDate;
    private Button btnAjouter;
    private Button btnRetour;
```

```java
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ajout);
        init();
    }
    private void init() {
        edNom = (EditText) findViewById(R.id.edNom);
        edPrenom = (EditText) findViewById(R.id.edPrenom);
        edDate = (EditText) findViewById(R.id.edDate);
        btnAjouter = (Button) findViewById(R.id.btnAjouter);
        btnRetour = (Button) findViewById(R.id.btnRetour);
        ajouterEcouteur();
    }
    private void ajouterEcouteur() {
        btnAjouter.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                ajouter();
            }
        });
        btnRetour.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                retour();
            }
        });
    }
    protected void retour() {
        setResult(RESULT_CANCELED);
        finish();
    }
    protected void ajouter() {
if(!edNom.getText().toString().isEmpty()&&!edPrenom.getText().toString().isEmpty()&&!edDate.getText().
toString().isEmpty()) {
        SQLiteSuivi b;
        b = new SQLiteSuivi(this, "suivi.db", null, 1);
        SQLiteDatabase db;
        db = b.getWritableDatabase();
        ContentValues v = new ContentValues();
        v.put("nom", edNom.getText().toString());
        v.put("prenom", edPrenom.getText().toString());
        v.put("date", edDate.getText().toString());
        v.put("tension", 13);
        v.put("rythme", 90);
        db.insert("patient", null, v);
        db.close();
        edNom.setText("");
        edPrenom.setText("");
        edDate.setText("");
        setResult(RESULT_OK);
        finish();
    }else{
        Toast t = Toast.makeText(getApplicationContext(),
                "Tapez les valeurs de tous les champs SVP!",
                Toast.LENGTH_LONG);
        t.show();
    }
    }
}
```