Rappels de vaccination au cabinet vétérinaire

Sujet n°15 — Corrigé

Question 1 *Normalisation des numéros de téléphone*

```
def normalisation_tel(tel):
    resultat = ""
    for c in tel:
        if c.isdigit():
            resultat = resultat + c
    return resultat
```

Question 2 *Jeu de tests pour la validation des numéros*

```
assert validation_tel("0612345678") == True
assert validation_tel("0798765432") == True
assert validation_tel("0112345678") == False
assert validation_tel("061234567") == False
assert validation_tel("06123456789") == False
assert validation_tel("1612345678") == False
assert validation_tel("") == False
```

Question 3 *Interrogation SQL de la base*

```
def consultation_vaccination_chat(date):
    conn = sqlite3.connect(DB_PATH)
    cursor = conn.cursor()
    resultat = cursor.execute(
        """
    SELECT animal.id, animal.nom, proprietaire.telephone, consultation.date
    FROM consultation
        JOIN animal ON consultation.id_animal = animal.id
        JOIN proprietaire ON animal.id_proprietaire = proprietaire.id
    WHERE animal.espece = 'chat'
      AND consultation.motif = 'vaccination'
      AND consultation.date > ?
    ORDER BY animal.id, consultation.date;
    """,
        (date,),
    )
    return list(resultat)
```

Sur la base : 118 résultats pour `"20240923"`.

Question 4 *Bug dans `derniere_vaccination`*

Cause : `date < derniere[id_animal][3]` conserve la consultation la plus ancienne au lieu de la plus récente. **Correction** : inverser le signe de comparaison.

```
def derniere_vaccination(consultations):
    derniere = {}
    for consult in consultations:
        id_animal = consult[0]
        date = consult[3]
        if id_animal not in derniere:
```

```
            derniere[id_animal] = consult
        elif date > derniere[id_animal][3]:
            derniere[id_animal] = consult
    return derniere
```