

TP 14

SQL
Sources :

Proposition de corrigé

Activité 1 : Pokemon

Q 1: Il y a 172 tables (valeur indiquée dans l'onglet Tables).

Q2: pokemon(id : integer, identifier : string, species_id : integer, height : integer, weight : integer, base_experience : integer, order : integer, is_default : boolean)

Q 3: La clé primaire d'une table est une contrainte d'unicité, composée d'une ou plusieurs colonnes et qui permet d'identifier de manière unique chaque ligne de la table.

Q 4:

```
SELECT height
FROM pokemon
WHERE identifier = 'pikachu';
```

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Q 5:

```
SELECT weight
FROM pokemon
WHERE identifier = "pikachu";
```

60

Q 6:

```
SELECT identifier
FROM pokemon
WHERE height > 4;
```

Q 7:

```
SELECT identifier
FROM pokemon
WHERE height >
    (SELECT height
     FROM pokemon
     WHERE identifier = "pikachu");
```

Q 8:

```
SELECT count(*)
FROM pokemon
```

```
WHERE height >
      (SELECT height
       FROM pokemon
       WHERE identifier = 'pikachu');
```

678

Q 9:

```
SELECT count(*)
FROM pokemon
WHERE height =
      (SELECT height
       FROM pokemon
       WHERE identifier = 'pikachu');
```

63;

Q 10:

```
SELECT identifier,max(weight)
FROM pokemon
WHERE height =
      (SELECT height
       FROM pokemon
       WHERE identifier = 'pikachu');
```

aron,600

Q 11:

```
SELECT identifier, height, weight
FROM pokemon
WHERE height =
      (SELECT max(height) FROM pokemon);
```

wailord, 145, 3980

Q 12:

```
SELECT identifier
FROM pokemon
WHERE height =
      (SELECT min(height) FROM pokemon);
```

joltik et flabebe

Q 13:

```
SELECT height,count(height)
FROM pokemon
GROUP BY height
order BY height DESC
```

Q 14:

```
SELECT height,MAX(ch) FROM
      (SELECT height,count(height) AS ch
       FROM pokemon
       GROUP BY height)
```

6,68

Q 15:

```
SELECT identifier,max(height) FROM
      (SELECT identifier,height
       FROM pokemon
       WHERE height!=(SELECT max(height) from pokemon))
```

rayquaza-mega, 108

Q 16:

```
SELECT avg(height) FROM pokemon;
```

12.2503082614057

Q 17:

```
SELECT count(*)
FROM pokemon
WHERE height <= 8.5 AND height >= 7.5;
```

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Q 18:

```
SELECT S.identifiant,H.identifiant
FROM pokemon\_species AS S
JOIN pokemon\_habitats AS H
ON S.habitat\_id = H.id;
```

Q 19:

```
SELECT count(*)
FROM pokemon\_species AS S
JOIN pokemon\_habitats AS H
ON
S.habitat\_id = H.id
WHERE H.identifiant = 'forest';
```

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Q 20:

```
SELECT count(*)
FROM pokemon\_species AS S
JOIN pokemon\_habitats AS H
ON S.habitat\_id = H.id
WHERE H.identifiant = 'forest' AND S.generation\_id = 3;
```

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