

SUJET 1 (2023)

exercice 1

1.

nom	type	clé
id_description	INT	clé primaire
resume	TEXT	
duree	INT	
id_emission	INT	clé secondaire

2.

a.

theme	annee
le système d'enseignement supérieur français est-il juste et efficace ?	2022
Trois innovations pour la croissance future (1/3) La révolution blockchain.	2021

b.

```
SELECT theme FROM podcast
WHERE annee = 2019
```

c.

```
SELECT theme, annee FROM podcast
ORDER BY annee ASC
```

3.

a.

affiche tous les themes des podcast sans doublons. b.

```
DELETE FROM podcast
WHERE id_podcast = 40
```

4.

a.

```

UPDATE emission
SET animateur = "Emmanuel L."
WHERE nom = "Le Temps du débat"

```

b.

```

INSERT INTO emission VALUES (12850, "Hashtag", "France Inter", "Mathieu V.")

```

5.

```

SELECT podcast.theme, emission.nom, description.resume FROM podcast
JOIN emission ON podcast.id_emission = emission.id_emission
JOIN description ON podcast.id_emission = description.id_emission
WHERE description.duree < 5;

```

exercice 2

1.

a.

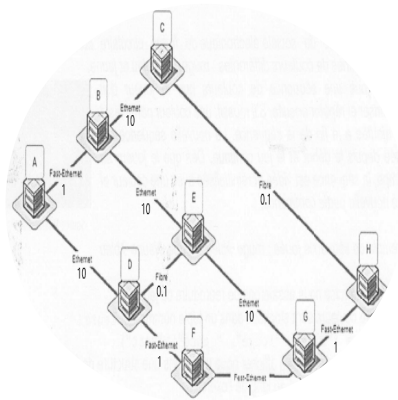
XXXXXXXX = 00000010 -> 2 XXXXXXXX = 00001101 -> 13

b. 164.178.2.0

2. A -> B -> E -> G A -> D -> F -> G A -> D -> E -> G

3.

a.



connection	cout
ETHERNET	10
FAST-ETHERNET	1
FIBRE	0.1

b. A -> D -> F -> G

c. A -> B -> C -> H -> G

exercice 3

1.

```
def ajout(f):
    couleurs = ("bleu", "rouge", "jaune", "vert")
    indice = randint(1,4)
    enfiler(f,couleurs[indice-1])
    return f
```

2.

```
def vider(f):
    while not est_vide(f):
        defiler(f)
```

3.

```
def affich_seq(sequence):
    stock = creer_file_vide()
    ajout(sequence)
    while not est_vide(sequence):
        c = defiler(sequence)
        affichage(c)
        time.sleep(0.5)
        enfiler(stock, c)
    while not stock.est_vide():
        enfiler(sequence, defiler(stock))
```

4.

a.

```

def tour_de_jeu(sequence):
    while est_vide(sequence):
        # ZONE A
        stock = creer_file_vide()
        while not est_vide(sequence):
            c_joueur = saisie_joueur()
            c_seq = # ZONE B
            if c_joueur != c_seq:
                # ZONE C
            else:
                # ZONE D
                # vider(stock)
        # ZONE E
        # ZONE F
        # if not est_vide(sequence):
        #     ajout(sequence)
    ajout(sequence)

```

ZONE	code
A	affich_seq(sequence)
B	defiler(sequence)
C	enfiler(stock, c_seq)
D	vider(sequence)
E	while not est_vide(stock):
F	enfiler(sequence, defiler(stock))