EXERCICES SUR LES EXPRESSIONS REGULIERES

Exercice 1 :

Rechercher le regex d'une adresse mail.

Exercice 2 :

Rechercher le regex d'une adresse IP.

Exercice 3 :

Rechercher le regex d'une adresse MAC.

Exercice 4 :

Les regex fonctionne avec MySQL.
Supposons qu'une table utilisateur possède une colonne mail.
Rechercher le regex qui filtera les adresses mail de type gmail.
Ci- joint la syntaxe sql :

```
SELECT mail FROM utilisateur WHERE ip REGEXP '^ Votre regex $';
```

Exercice 5 :

En annexe un fichier texte résultat d'une commande nmap permettant le scan d'un réseau LAN (demander le fichier .txt pour faire l'exercice).
Ecrire un programme en Javascript qui affichera un tableau contenant 3 colonnes (Adresse IP, adresse MAC et Host).

```
Starting Nmap 6.47 ( http://nmap.org ) at 2018-10-08 11:02 CEST
Nmap scan report for 192.168.0.10
Host is up (0.0023s latency).
MAC Address: E8:B7:48:69:78:E7 (Cisco Systems)
Nmap scan report for 192.168.0.11
Host is up (0.19s latency).
MAC Address: A4:4E:31:E9:A6:C0 (Intel Corporate)
Nmap scan report for 192.168.0.12
Host is up (0.0042s latency).
MAC Address: 20:16:D8:67:5E:FE (Liteon Technology)
Nmap scan report for 192.168.0.13
Host is up (0.0024s latency).
MAC Address: 00:25:86:E7:24:CE (Tp-link Technologies Co.)
Nmap scan report for 192.168.0.15
Host is up (-0.10s latency).
MAC Address: 00:08:9B:C4:1D:81 (ICP Electronics)
Nmap scan report for 192.168.0.34
Host is up (-0.10s latency).
MAC Address: B8:27:EB:34:AB:35 (Raspberry Pi Foundation)
Nmap scan report for 192.168.0.35
Host is up (-0.058s latency).
MAC Address: 3C:95:09:28:5E:BA (Unknown)
Nmap scan report for 192.168.0.36
Host is up (-0.060s latency).
MAC Address: 68:94:23:4A:F3:F6 (Hon Hai Precision Ind. Co.)
Nmap scan report for 192.168.0.37
Host is up (-0.10s latency).
MAC Address: B0:7F:B9:9B:90:97 (Unknown)
Nmap scan report for 192.168.0.90
Host is up (-0.088s latency).
MAC Address: 80:26:89:4A:A5:78 (Unknown)
Nmap scan report for 192.168.0.111
Host is up (-0.11s latency).
MAC Address: E8:94:F6:43:FF:15 (Tp-link Technologies Co.)
Nmap scan report for 192.168.0.138
Host is up (-0.17s latency).
MAC Address: 48:0F:CF:4C:57:EA (Unknown)
Nmap scan report for 192.168.0.151
Host is up (0.00078s latency).
MAC Address: 48:0F:CF:51:C4:9F (Unknown)
Nmap scan report for 192.168.0.201
Host is up (0.00038s latency).
MAC Address: 80:26:89:4A:A5:A8 (Unknown)
Nmap scan report for 192.168.0.250
Host is up (0.00050s latency).
MAC Address: 00:13:72:A0:3D:5E (Dell)
Nmap scan report for 192.168.0.253
Host is up (0.00058s latency).
MAC Address: 6C:0B:84:93:C8:05 (Universal Global Scientific Industrial Co.)
Nmap scan report for 192.168.0.254
Host is up (0.00046s latency).
MAC Address: 00:A0:F9:41:F5:34 (Bintec Communications Gmbh)
Nmap scan report for 192.168.0.40
Host is up.
Nmap done: 255 IP addresses (18 hosts up) scanned in 4.91 seconds
```