

CDA EVAL SQL VALENTIN MASSONNIERE 2024

[github](#)

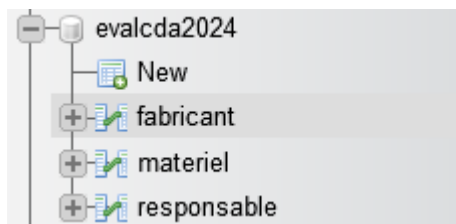
Section 3 Chargement de la base de données

3.2.1 : source chemin/fichier_sql

```
mysql> source C:/Users/Valentin/Documents/imie_cours/exploitationBD_valentin_massonniere/evalCDA2024/evalCDA2024.sql
Query OK, 0 rows affected (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

3.2.2 : Création de la base effectuée



Section 4 Ajouter des entrées (des lignes)

4.1.1 : insert into `responsable` (`id`, `nom`, `service`, `embauche`) values (NULL, 'Massonniere', 'IMIE', '2020-01-01');

4.1.2 :

				id	nom	service	embauche
<input type="checkbox"/>				1	Smith	D11	2000-11-01
<input type="checkbox"/>				2	ManuBoy	D11	1990-12-20
<input type="checkbox"/>				3	Warwick	D21	1980-11-01
<input type="checkbox"/>				4	Mayuko	D21	1995-11-01
<input type="checkbox"/>				5	Shahaf	D22	1999-11-01
<input type="checkbox"/>				6	Zvonko	D23	2012-01-01
<input type="checkbox"/>				7	Gino	D24	2014-11-01
<input type="checkbox"/>				8	Massonniere	IMIE	2020-01-01

4.1.3 : insert into `fabricant` (`id`, `nom`) values (NULL, 'Massonniere Company');

4.1.4 :

Extra options

				id	nom
<input type="checkbox"/>	Edit	Copy	Delete	1	Netgear
<input type="checkbox"/>	Edit	Copy	Delete	2	Cisco
<input type="checkbox"/>	Edit	Copy	Delete	3	Startech
<input type="checkbox"/>	Edit	Copy	Delete	4	Anteor
<input type="checkbox"/>	Edit	Copy	Delete	5	Systolic
<input type="checkbox"/>	Edit	Copy	Delete	6	Plecom
<input type="checkbox"/>	Edit	Copy	Delete	7	Siemens
<input type="checkbox"/>	Edit	Copy	Delete	8	Massonniere Company

4.1.5 : insert into `materiel` (`id`, `nom`, `description`, `dateInstallation`, `id_Fabricant`, `id_Responsable`) values (NULL, 'Console', 'Sony PlayStation 4 Slim 1 To + FIFA 20 + PS Plus', '2024-10-23', '8', '8');

				id	nom	description	dateInstallation	id_Fabricant	id_Responsable
<input type="checkbox"/>	Edit	Copy	Delete	1	Switch	Switch Gigabit, Cisco, SG110-16, 16 ports	2021-01-10	2	1
<input type="checkbox"/>	Edit	Copy	Delete	2	Switch	Switch Gigabit, Cisco, SG110-24, 24 ports	2020-12-13	2	2
<input type="checkbox"/>	Edit	Copy	Delete	3	MFax150	Serveur de fax MFax150	2020-08-09	6	7
<input type="checkbox"/>	Edit	Copy	Delete	4	Routeur	Routeur 4G de GENEKO	2020-09-07	6	6
<input type="checkbox"/>	Edit	Copy	Delete	5	Passerelle GSM	Passerelle GSM analogique 2GSMGate	2019-01-26	6	7
<input type="checkbox"/>	Edit	Copy	Delete	6	Serveur	Serveur Lame XT 5612	2012-01-25	4	4
<input type="checkbox"/>	Edit	Copy	Delete	7	Rack serveur	Rack pour application réseau - 6 ports Lan - 1U 6L...	2011-01-25	4	5
<input type="checkbox"/>	Edit	Copy	Delete	8	Serveur	Serveur PRIMERGY Econel 200 S2	2002-01-25	7	2
<input type="checkbox"/>	Edit	Copy	Delete	9	Station	PC SIMATIC WinAC RTX pour automtisme embarqué	2013-01-25	7	7
<input type="checkbox"/>	Edit	Copy	Delete	10	Console	Sony PlayStation 4 Slim 1 To + FIFA 20 + PS Plus	2024-10-23	8	8

Section 5 Utilisation de la base

5.2.1 : select * from responsable order by embauche asc limit 1;

5.2.2 :

```
mysql> select * from responsable order by embauche asc limit 1;
+-----+
| id | nom      | service | embauche |
+-----+
| 3  | Warwick | D21     | 1980-11-01 |
+-----+
1 row in set (0.00 sec)
```

5.2.3 : select r.* from responsable r inner join materiel m on r.id = m.id_Responsable where m.nom = "Serveur";

5.2.4 :

```
mysql> select r.* from responsable r inner join materiel m on r.id = m.id_Responsable where m.nom = "Serveur";
+-----+
| id | nom      | service | embauche |
+-----+
| 4  | Mayuko   | D21     | 1995-11-01 |
| 2  | ManuBoy  | D11     | 1990-12-20 |
+-----+
2 rows in set (0.00 sec)
```

5.2.5 : select m.nom, r.nom from responsable r inner join materiel m on r.id = m.id_Responsable group by m.nom;

5.2.6 :

```
mysql> select m.nom, r.nom from responsable r inner join materiel m on r.id = m.id_Responsable group by m.nom;
+-----+
| nom      | nom      |
+-----+
| Switch   | Smith    |
| MFax150  | Gino     |
| Routeur  | Zvonko   |
| Passerelle GSM | Gino     |
| Serveur  | Mayuko   |
| Rack serveur | Shahaf   |
| Station  | Gino     |
| Console  | Massonniere |
+-----+
8 rows in set (0.00 sec)
```

5.2.7: select nom, count(nom) from materiel group by id_Fabricant;

5.2.8 :

```
mysql> select f.nom, count(m.nom) from materiel m inner join fabricant f on m.id_fabricant = f.id group by f.nom;
+-----+
| nom      | count(m.nom) |
+-----+
| Cisco    | 2             |
| Plecom   | 3             |
| Anteor   | 2             |
| Siemens  | 2             |
| Massonniere Company | 1             |
+-----+
5 rows in set (0.00 sec)
```

5.2.9 : select r.nom, m.nom, m.dateInstallation, f.nom from responsable r inner join materiel m on r.id = m.id_Responsable inner join fabricant f on f.id = m.id_Fabricant;

5.2.10 :

```
mysql> select r.nom, m.nom, m.dateInstallation, f.nom from responsable r inner join materiel m on r.id = m.id_Responsable inner join fabricant f on f.id = m.id_Fabricant;
```

nom	nom	dateInstallation	nom
Smith	Switch	2021-01-10	Cisco
ManuBoy	Switch	2020-12-13	Cisco
Gino	MFax150	2020-08-09	Plecom
Zvonko	Routeur	2020-09-07	Plecom
Gino	Passerelle GSM	2019-01-26	Plecom
Mayuko	Serveur	2012-01-25	Anteor
Shahaf	Rack serveur	2011-01-25	Anteor
ManuBoy	Serveur	2002-01-25	Siemens
Gino	Station	2013-01-25	Siemens
Massonniere	Console	2024-10-23	Massonniere Company

```
10 rows in set (0.00 sec)
```

```
mysql>
```

5.2.11:

delimiter \$

drop procedure if exists getHardwareByYear\$

create procedure getHardwareByYear(in year varchar(4))

begin

select m.nom, f.nom, r.nom from responsable r inner join materiel m on r.id = m.id_Responsable inner join fabricant f on f.id = m.id_Fabricant where dateInstallation like concat('%', year, '%');

end\$

delimiter ;

call getHardwareByYear("2020");

call getHardwareByYear("2013");

5.2.12:

```
+-----+-----+-----+
| nom    | nom    | nom    |
+-----+-----+-----+
| Switch | Cisco  | ManuBoy |
| MFax150 | Plecom | Gino    |
| Routeur | Plecom | Zvonko  |
+-----+-----+-----+
3 rows in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

+-----+-----+-----+
| nom    | nom    | nom    |
+-----+-----+-----+
| Station | Siemens | Gino    |
+-----+-----+-----+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```