

EXERCICE SQL SERVER :::

requete de création :

```
CREATE TABLE FOURNISSEUR(  
    siret INT,  
    nom VARCHAR(50),  
    adresse VARCHAR(50),  
    codepostal VARCHAR(50),  
    ville VARCHAR(50),  
    telephone VARCHAR(50),  
    mail VARCHAR(50),  
    formejuridique VARCHAR(50),  
    marge DECIMAL(15,2),  
    PRIMARY KEY(siret)  
);
```

```
CREATE TABLE CLIENT(  
    idclient INT,  
    nom VARCHAR(50),  
    prenom VARCHAR(50),  
    adresse VARCHAR(50),  
    codepostal VARCHAR(10),  
    ville VARCHAR(50),  
    telephone VARCHAR(15),  
    mail VARCHAR(50),  
    PRIMARY KEY(idclient)  
);
```

```
CREATE TABLE TRAVAUX(  
    idtravaux INT,  
    libelle VARCHAR(50),  
    tauxhoraire DECIMAL(10,2),  
    PRIMARY KEY(idtravaux)  
);
```

```
CREATE TABLE SALARIE(  
    matricule INT,  
    nom VARCHAR(50),  
    prenom VARCHAR(50),  
    PRIMARY KEY(matricule)  
);
```

```
CREATE TABLE MEDECIN(  
    numRPPS INT,  
    nom VARCHAR(50),
```

```
prenom VARCHAR(50),
adresse VARCHAR(50),
codepostal VARCHAR(10),
ville VARCHAR(50),
PRIMARY KEY(numRPPS)
);
```

```
CREATE TABLE MATERIAU(
    siret INT,
    reference VARCHAR(10),
    designation VARCHAR(50),
    prixachat DECIMAL(10,2),
    unite mesure VARCHAR(10),
    PRIMARY KEY(siret, reference),
    FOREIGN KEY(siret) REFERENCES FOURNISSEUR(siret)
);
```

```
CREATE TABLE ACHAT(
    numfactureachat INT,
    datefacture DATE,
    siret INT NOT NULL,
    PRIMARY KEY(numfactureachat),
    FOREIGN KEY(siret) REFERENCES FOURNISSEUR(siret)
);
```

```
CREATE TABLE INTERVENTION(
    code_interv INT,
    description VARCHAR(100),
    datedebut DATE,
    numerofacture VARCHAR(10),
    datefacture DATE,
    matricule INT NOT NULL,
    idtravaux INT NOT NULL,
    idclient INT NOT NULL,
    PRIMARY KEY(code_interv),
    FOREIGN KEY(matricule) REFERENCES SALARIE(matricule),
    FOREIGN KEY(idtravaux) REFERENCES TRAVAUX(idtravaux),
    FOREIGN KEY(idclient) REFERENCES CLIENT(idclient)
);
```

```
CREATE TABLE Visite_medicale(
    id_visite_medicale INT,
    dateattestation DATE,
    commentaire VARCHAR(100),
    dateinvalidité DATE,
    numRPPS INT NOT NULL,
    PRIMARY KEY(id_visite_medicale),
    FOREIGN KEY(numRPPS) REFERENCES MEDECIN(numRPPS)
);
```

);

```
CREATE TABLE APPROS(  
    siret INT,  
    reference VARCHAR(10),  
    numfactureachat INT,  
    quantite DECIMAL(10,2),  
    PRIMARY KEY(siret, reference, numfactureachat),  
    FOREIGN KEY(siret, reference) REFERENCES MATERIAU(siret, reference),  
    FOREIGN KEY(numfactureachat) REFERENCES ACHAT(numfactureachat)  
);
```

```
CREATE TABLE BESOIN(  
    siret INT,  
    reference VARCHAR(10),  
    code_interv INT,  
    quantite DECIMAL(10,2),  
    PRIMARY KEY(siret, reference, code_interv),  
    FOREIGN KEY(siret, reference) REFERENCES MATERIAU(siret, reference),  
    FOREIGN KEY(code_interv) REFERENCES INTERVENTION(code_interv)  
);
```

```
CREATE TABLE POSSEDER(  
    matricule INT,  
    id_visite_medicale INT,  
    idtravaux INT NOT NULL,  
    PRIMARY KEY(matricule, id_visite_medicale),  
    FOREIGN KEY(matricule) REFERENCES SALARIE(matricule),  
    FOREIGN KEY(id_visite_medicale) REFERENCES Visite_medicale(id_visite_medicale),  
    FOREIGN KEY(idtravaux) REFERENCES TRAVAUX(idtravaux)  
);
```

```
CREATE TABLE TRAVAIL(  
    code_interv INT,  
    matricule INT,  
    nbheures DECIMAL(10,2),  
    datetravaux DATE NOT NULL,  
    PRIMARY KEY(code_interv, matricule),  
    FOREIGN KEY(code_interv) REFERENCES INTERVENTION(code_interv),  
    FOREIGN KEY(matricule) REFERENCES SALARIE(matricule)  
);
```

requête d'insertion :

```
INSERT INTO fournisseur (siret, nom, adresse, codepostal, ville, telephone, mail,  
formejuridique) VALUES  
(392928, 'Salomé Schneider', 'Ap #860-391 Nec St.', '96227', 'Guildford', '09 09 97 93 69',  
'inceptos.hymenaeos@gravidasit.edu', 'SARL'),
```

(7674369, 'Maelys Boucher', 'Ap #799-161 Proin Rd.', '52700', 'Zelem', '07 60 95 28 49',
'Nullam.ut.nisi@venenatis.net', 'SCI'),
(15029168, 'Maéva Guyot', 'P.O. Box 971, 9725 Et St.', '88923', 'Afsnee', '09 07 90 68 28',
'faucibus.ut@inmagna.com', 'SCI'),
(28348985, 'Clotilde Laurent', '613-9673 Ipsum Road', '38342', 'Ulloa (Barrial)', '03 39 76 41
65', 'luctus@dui.ca', 'SCI'),
(41468323, 'Salomé Leclerc', '6383 Dictum St.', '76844', 'Las Condes', '04 22 14 42 62',
'pede.Cras.vulputate@viverraDonec.org', 'SARL'),
(112022249, 'Élisa Laine', '456-8079 Consectetur Ave', '46320', 'Kakisa', '05 28 65 18 75',
'iaculis.aliquet@augueid.org', 'SARL'),
(280358581, 'Alicia Bouvier', '5269 Sit Av.', '30966', 'Lago Verde', '05 04 07 71 75',
'at@purusMaecenas.co.uk', 'SCI'),
(282256791, 'Sarah Huet', 'P.O. Box 517, 5750 Sagittis Avenue', '30790', 'Outrijve', '02 87 86
28 27', 'tristique@etcommodoat.org', 'SARL'),
(382498087, 'Zoé Clement', '5102 Donec Av.', '86432', 'Thalassery', '03 06 22 44 91',
'eismod.est@pharetranibhAliquam.com', 'SARL'),
(506704568, 'Maéva Boulanger', 'P.O. Box 616, 1678 Leo. Street', '79094', 'Bastia', '02 28 79
07 78', 'egestas.urna.justo@Intinciduntcongue.com', 'SARL'),
(513154203, 'Justine Boulanger', 'P.O. Box 435, 7778 Tellus. St.', '6921', 'Sluis', '03 63 04 21
38', 'turpis.egestas@ipsum.ca', 'SCI'),
(518007349, 'Catherine Perez', '5850 Nisi Ave', '86503', 'Edremit', '01 39 53 55 10',
'quis.lectus@neque.net', 'SCI'),
(544251895, 'Margaux Weber', '8405 Fermentum Street', '89239', 'Meeswijk', '06 63 34 94
64', 'in@sitamet.co.uk', 'SCI'),
(610079071, 'Nina Charpentier', '996-3507 Parturient Street', '28739', 'Harlech', '03 67 95 14
68', 'magna.a.tortor@tincidunt.org', 'SCI'),
(706872157, 'Cloé Charpentier', 'P.O. Box 895, 7812 Justo. Road', '13832', 'San Juan de
Pasto', '08 51 29 45 06', 'eget@maurissapiencursus.com', 'SARL'),
(712949312, 'Chloé Lecomte', '113-4632 Interdum Av.', '20683', 'Chittoor', '08 82 02 67 44',
'porttitor.scelerisque@Etiam.co.uk', 'SARL'),
(723568481, 'Charlotte Picard', 'P.O. Box 240, 740 Auctor. St.', '53047', 'Mulchén', '01 13 22
70 67', 'ligula.Aenean.eismod@non.net', 'SCI'),
(728274432, 'Louise Julien', '562-4242 Hendrerit. St.', '71042', 'Carluke', '09 11 27 41 96',
'nulla.Integer.vulputate@sagittisDuis.edu', 'SCI'),
(733766778, 'Salomé Boulanger', '575-3382 Lectus Street', '32186', 'Sylvan Lake', '01 17 84
80 86', 'dictum@elitpede.ca', 'SCI'),
(750544330, 'Carla Laine', 'Ap #721-712 Libero Avenue', '75955', 'Cumberland', '08 20 08 32
28', 'dictum@nuncsed.org', 'SARL'),
(802557553, 'Léonie Le gall', '4602 Molestie Road', '97762', 'Villers-sur-Semois', '08 49 72
54 14', 'ipsum.nunc.id@leoCras.com', 'SCI'),
(830645362, 'Élise Vidal', 'P.O. Box 479, 9675 Aliquam Street', '58941',
'Vandoeuvre-lès-Nancy', '08 81 34 77 13', 'Nulla.semper@rutrum.edu', 'SCI'),
(832068530, 'Alice Moreau', 'P.O. Box 900, 6371 Per Ave', '9616', 'Puchuncaví', '09 68 82 34
60', 'vitae@arcuvelquam.edu', 'SCI'),
(832905509, 'Manon Mercier', 'P.O. Box 553, 9561 Nulla. Rd.', '63379', 'Poviglio', '04 57 47
65 15', 'nisl@tortornibhsit.edu', 'SCI'),
(850824962, 'Syrine Lebrun', '570-4602 Vivamus Street', '78128', 'Moulins', '08 96 61 63 07',
'enim@nonleo.edu', 'SARL'),

(901596684, 'Lucie Fontaine', 'Ap #506-5023 Convallis Avenue', '35329', 'Tunja', '09 43 30 36 64', 'sed@ipsumSuspendisse.edu', 'SCI');

INSERT INTO achat(numfactureachat, datefacture, siret) VALUES

(1, '1931-07-16', 506704568),
(2, '2027-11-18', 28348985),
(3, '2016-04-15', 901596684),
(4, '2029-10-17', 41468323),
(5, '2009-10-19', 28348985),
(6, '2022-08-20', 28348985),
(7, '2024-07-21', 7674369),
(8, '2015-01-19', 15029168),
(9, '1930-10-16', 802557553),
(10, '2018-02-19', 7674369),
(11, '2005-09-21', 28348985),
(12, '2018-11-17', 506704568),
(13, '2021-10-18', 15029168),
(14, '2004-03-16', 506704568),
(15, '2006-05-19', 392928),
(16, '2008-07-16', 901596684),
(17, '2021-04-19', 610079071),
(18, '2011-01-18', 506704568),
(19, '2003-02-21', 7674369),
(20, '2004-03-20', 41468323),
(21, '2028-07-17', 7674369),
(22, '2015-10-18', 506704568),
(23, '2001-12-19', 28348985),
(24, '2006-08-16', 15029168),
(25, '2003-06-20', 802557553),
(26, '2001-08-15', 7674369),
(27, '2010-05-19', 28348985),
(28, '2019-01-16', 802557553),
(29, '2005-03-19', 392928),
(30, '2015-11-17', 28348985),
(31, '2011-08-18', 610079071),
(32, '2003-11-20', 7674369),
(33, '2016-01-20', 15029168),
(34, '2009-12-18', 506704568),
(35, '2001-02-17', 901596684),
(36, '2020-11-20', 392928),
(37, '2003-01-20', 7674369),
(38, '2016-08-20', 41468323),
(39, '2025-03-22', 41468323),
(40, '2017-06-15', 7674369),
(41, '2010-06-15', 7674369),
(42, '2014-03-20', 41468323),
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(44, '2006-08-19', 392928),

(45, '2001-11-20', 506704568),
(46, '2028-06-17', 28348985),
(47, '2004-05-20', 15029168),
(48, '2009-09-16', 506704568),
(49, '2022-11-18', 28348985),
(50, '2021-08-19', 392928),
(51, '2021-11-19', 506704568),
(52, '2008-04-18', 506704568),
(53, '2010-05-18', 41468323),
(54, '2008-05-20', 28348985),
(55, '2020-05-16', 15029168),
(56, '2015-05-18', 901596684),
(57, '2027-03-16', 392928),
(58, '2020-09-20', 610079071),
(59, '2027-01-17', 28348985),
(60, '2021-12-17', 28348985),
(61, '2027-10-15', 28348985),
(62, '2006-10-21', 392928),
(63, '2010-06-15', 28348985),
(64, '2006-06-19', 41468323),
(65, '2019-05-18', 28348985),
(66, '2015-01-16', 610079071),
(67, '2019-05-19', 15029168),
(68, '2025-08-21', 41468323),
(69, '2021-11-19', 15029168),
(70, '2014-06-21', 7674369),
(71, '1930-06-15', 41468323),
(72, '2006-04-17', 610079071),
(73, '2004-04-18', 7674369),
(74, '2001-07-17', 610079071),
(75, '2008-08-15', 506704568),
(76, '2012-12-15', 28348985),
(77, '2017-04-16', 802557553),
(78, '2003-01-22', 41468323),
(79, '2006-02-16', 41468323),
(80, '2014-09-18', 7674369),
(81, '2025-05-16', 610079071),
(82, '2016-08-16', 802557553),
(83, '2009-01-21', 506704568),
(84, '2014-04-18', 7674369),
(85, '2010-05-17', 802557553),
(86, '2026-04-15', 901596684),
(87, '2014-11-21', 506704568),
(88, '2011-10-17', 15029168),
(89, '2020-09-15', 802557553),
(90, '2013-12-18', 506704568),
(91, '2001-01-21', 392928),
(92, '2010-06-15', 506704568),

(93, '2020-01-17', 392928),
(94, '2022-11-21', 802557553),
(95, '2008-01-16', 802557553),
(96, '2021-10-19', 7674369),
(97, '2015-11-21', 901596684),
(98, '2022-04-19', 15029168),
(99, '1930-04-17', 392928),
(100, '2024-04-16', 610079071);

INSERT INTO materiau (siret, reference, designation, prixachat, unite mesure) VALUES

(392928, 'A3397', 'ref A', '15.00', 'KG'),
(392928, 'B3391', 'ref B', '27.00', 'KG'),
(392928, 'C3317', 'ref C', '17.00', 'KG'),
(392928, 'C3327', 'ref C', '16.00', 'ML'),
(392928, 'C3368', 'ref C', '26.00', 'ML'),
(392928, 'D3382', 'ref D', '12.00', 'ML'),
(392928, 'D3385', 'ref D', '21.00', 'KG'),
(392928, 'D3392', 'ref D', '15.00', 'ML'),
(392928, 'E3338', 'ref E', '6.00', 'KG'),
(392928, 'E3370', 'ref E', '29.00', 'ML'),
(7674369, 'A7712', 'ref A', '8.00', 'ML'),
(7674369, 'A7747', 'ref A', '9.00', 'KG'),
(7674369, 'B7706', 'ref B', '24.00', 'ML'),
(7674369, 'B7733', 'ref B', '29.00', 'KG'),
(7674369, 'B7748', 'ref B', '12.00', 'ML'),
(7674369, 'B7750', 'ref B', '16.00', 'ML'),
(7674369, 'C7767', 'ref C', '15.00', 'KG'),
(7674369, 'C7789', 'ref C', '11.00', 'ML'),
(7674369, 'D7705', 'ref D', '19.00', 'KG'),
(7674369, 'D7723', 'ref D', '7.00', 'KG'),
(7674369, 'D7777', 'ref D', '13.00', 'ML'),
(7674369, 'E7728', 'ref E', '30.00', 'KG'),
(7674369, 'E7764', 'ref E', '13.00', 'ML'),
(7674369, 'E7769', 'ref E', '11.00', 'KG'),
(15029168, 'A1159', 'ref A', '26.00', 'ML'),
(15029168, 'B1102', 'ref B', '30.00', 'KG'),
(15029168, 'B1193', 'ref B', '27.00', 'ML'),
(15029168, 'C1150', 'ref C', '14.00', 'KG'),
(15029168, 'C1197', 'ref C', '15.00', 'ML'),
(15029168, 'D1107', 'ref D', '30.00', 'KG'),
(15029168, 'D1174', 'ref D', '21.00', 'ML'),
(15029168, 'E1112', 'ref E', '11.00', 'ML'),
(15029168, 'E1174', 'ref E', '9.00', 'KG'),
(15029168, 'E1178', 'ref E', '13.00', 'ML'),
(28348985, 'A2234', 'ref A', '30.00', 'KG'),
(28348985, 'A2248', 'ref A', '19.00', 'ML'),
(28348985, 'A2250', 'ref A', '16.00', 'KG'),
(28348985, 'A2265', 'ref A', '9.00', 'ML'),

(28348985, 'A2280', 'ref A', '30.00', 'KG'),
(28348985, 'A2290', 'ref A', '25.00', 'KG'),
(28348985, 'B2249', 'ref B', '14.00', 'KG'),
(28348985, 'B2254', 'ref B', '21.00', 'ML'),
(28348985, 'B2295', 'ref B', '22.00', 'ML'),
(28348985, 'C2248', 'ref C', '7.00', 'KG'),
(28348985, 'C2258', 'ref C', '24.00', 'KG'),
(28348985, 'C2282', 'ref C', '26.00', 'ML'),
(28348985, 'C2288', 'ref C', '26.00', 'ML'),
(28348985, 'E2223', 'ref E', '20.00', 'ML'),
(28348985, 'E2274', 'ref E', '22.00', 'KG'),
(28348985, 'E2283', 'ref E', '11.00', 'KG'),
(41468323, 'A4421', 'ref A', '26.00', 'KG'),
(41468323, 'A4445', 'ref A', '6.00', 'ML'),
(41468323, 'A4463', 'ref A', '11.00', 'KG'),
(41468323, 'A4481', 'ref A', '19.00', 'ML'),
(41468323, 'C4407', 'ref C', '6.00', 'ML'),
(41468323, 'C4439', 'ref C', '11.00', 'KG'),
(41468323, 'C4449', 'ref C', '10.00', 'ML'),
(41468323, 'D4439', 'ref D', '19.00', 'ML'),
(41468323, 'D4456', 'ref D', '24.00', 'KG'),
(41468323, 'D4484', 'ref D', '16.00', 'ML'),
(41468323, 'E4414', 'ref E', '14.00', 'ML'),
(506704568, 'A5507', 'ref A', '10.00', 'ML'),
(506704568, 'A5508', 'ref A', '9.00', 'KG'),
(506704568, 'A5527', 'ref A', '13.00', 'ML'),
(506704568, 'B5518', 'ref B', '19.00', 'KG'),
(506704568, 'B5557', 'ref B', '14.00', 'ML'),
(506704568, 'C5528', 'ref C', '13.00', 'KG'),
(506704568, 'C5529', 'ref C', '20.00', 'ML'),
(506704568, 'C5582', 'ref C', '8.00', 'ML'),
(506704568, 'C5592', 'ref C', '12.00', 'KG'),
(506704568, 'D5513', 'ref D', '28.00', 'KG'),
(506704568, 'D5555', 'ref D', '30.00', 'KG'),
(506704568, 'D5560', 'ref D', '8.00', 'ML'),
(506704568, 'D5581', 'ref D', '17.00', 'ML'),
(506704568, 'E5506', 'ref E', '22.00', 'ML'),
(506704568, 'E5544', 'ref E', '22.00', 'KG'),
(506704568, 'E5558', 'ref E', '27.00', 'ML'),
(610079071, 'B6610', 'ref B', '25.00', 'KG'),
(610079071, 'B6626', 'ref B', '18.00', 'KG'),
(610079071, 'B6632', 'ref B', '7.00', 'ML'),
(610079071, 'D6613', 'ref D', '9.00', 'KG'),
(610079071, 'D6648', 'ref D', '11.00', 'KG'),
(610079071, 'E6615', 'ref E', '26.00', 'KG'),
(610079071, 'E6643', 'ref E', '25.00', 'ML'),
(610079071, 'E6695', 'ref E', '25.00', 'ML'),
(802557553, 'A8802', 'ref A', '14.00', 'KG'),

(830645362, 'E8830', 'ref E', '24.00', 'KG'),
 (832068530, 'B8832', 'ref B', '11.00', 'KG'),
 (832905509, 'B8832', 'ref B', '17.00', 'KG'),
 (850824962, 'D8850', 'ref D', '18.00', 'ML'),
 (901596684, 'A9957', 'ref A', '12.00', 'ML'),
 (901596684, 'B9913', 'ref B', '14.00', 'ML'),
 (901596684, 'B9974', 'ref B', '24.00', 'ML'),
 (901596684, 'C9944', 'ref C', '12.00', 'KG'),
 (901596684, 'D9907', 'ref D', '6.00', 'ML'),
 (901596684, 'E9901', 'ref E', '22.00', 'KG');

INSERT INTO appros (siret, reference, numfactureachat, quantite) VALUES

(392928, 'B3391', 57, '38'),
 (392928, 'C3317', 62, '16'),
 (392928, 'C3327', 36, '5'),
 (392928, 'C3368', 15, '39'),
 (392928, 'D3382', 91, '11'),
 (392928, 'D3385', 93, '17'),
 (392928, 'D3392', 44, '49'),
 (392928, 'E3338', 50, '14'),
 (392928, 'E3370', 99, '5'),
 (7674369, 'A7712', 80, '22'),
 (7674369, 'A7747', 26, '45'),
 (7674369, 'B7706', 7, '28'),
 (7674369, 'B7733', 10, '46'),
 (7674369, 'B7748', 32, '50'),
 (7674369, 'B7750', 84, '16'),
 (7674369, 'C7767', 37, '16'),
 (7674369, 'C7789', 40, '48'),
 (7674369, 'D7705', 41, '27'),
 (7674369, 'D7723', 70, '7'),
 (7674369, 'D7777', 19, '36'),
 (7674369, 'E7728', 73, '24'),
 (7674369, 'E7764', 96, '18'),
 (7674369, 'E7769', 21, '48'),
 (15029168, 'A1159', 55, '5'),
 (15029168, 'B1102', 33, '48'),
 (15029168, 'B1193', 8, '10'),
 (15029168, 'C1150', 13, '2'),
 (15029168, 'C1197', 88, '34'),
 (15029168, 'D1107', 69, '15'),
 (15029168, 'D1174', 67, '5'),
 (15029168, 'E1112', 24, '9'),
 (15029168, 'E1174', 98, '29'),
 (15029168, 'E1178', 47, '32'),
 (28348985, 'A2234', 30, '40'),
 (28348985, 'A2248', 27, '13'),

(28348985, 'A2250', 5, '4'),
(28348985, 'A2265', 76, '43'),
(28348985, 'A2280', 54, '38'),
(28348985, 'A2290', 2, '32'),
(28348985, 'B2249', 6, '17'),
(28348985, 'B2254', 59, '38'),
(28348985, 'B2295', 60, '46'),
(28348985, 'C2248', 61, '40'),
(28348985, 'C2258', 65, '26'),
(28348985, 'C2282', 11, '28'),
(28348985, 'C2288', 63, '37'),
(28348985, 'E2223', 23, '22'),
(28348985, 'E2274', 49, '17'),
(28348985, 'E2283', 46, '48'),
(41468323, 'A4421', 78, '3'),
(41468323, 'A4445', 4, '48'),
(41468323, 'A4463', 53, '11'),
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(41468323, 'D4439', 68, '22'),
(41468323, 'D4456', 42, '40'),
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(506704568, 'A5508', 1, '6'),
(506704568, 'A5527', 52, '25'),
(506704568, 'B5518', 34, '22'),
(506704568, 'B5557', 83, '50'),
(506704568, 'C5528', 90, '14'),
(506704568, 'C5529', 12, '41'),
(506704568, 'C5582', 87, '21'),
(506704568, 'C5592', 14, '2'),
(506704568, 'D5513', 18, '38'),
(506704568, 'D5555', 45, '39'),
(506704568, 'D5560', 92, '35'),
(506704568, 'D5581', 43, '24'),
(506704568, 'E5506', 48, '23'),
(506704568, 'E5544', 22, '36'),
(506704568, 'E5558', 75, '4'),
(610079071, 'B6610', 58, '14'),
(610079071, 'B6626', 81, '49'),
(610079071, 'B6632', 31, '15'),
(610079071, 'D6613', 66, '39'),
(610079071, 'D6648', 17, '6'),
(610079071, 'E6615', 74, '28'),
(610079071, 'E6643', 100, '28'),

(610079071, 'E6695', 72, '39'),
(802557553, 'A8802', 77, '37'),
(830645362, 'E8830', 25, '13'),
(832068530, 'B8832', 85, '22'),
(832905509, 'B8832', 82, '4'),
(850824962, 'D8850', 95, '9'),
(901596684, 'A9957', 3, '39'),
(901596684, 'B9913', 35, '41'),
(901596684, 'B9974', 56, '17'),
(901596684, 'C9944', 86, '50'),
(901596684, 'D9907', 16, '28');

INSERT INTO client (idclient, nom, prenom, adresse, codepostal, ville, telephone, mail)
VALUES

(1, 'Dufour', 'Anthony', 'P.O. Box 500, 2900 Nulla Ave', '38071', 'Korneuburg', '(778)
613-8926', 'nec@nuncsitamet.org'),
(2, 'Paul', 'Marwane', '551-5869 Mi Avenue', '68054', 'Bedford', '(443) 259-9509',
'Nunc@mattisornarelectus.com'),
(3, 'Fontaine', 'Timéo', '3718 Mi Ave', '18463', 'Columbus', '(897) 629-6457',
'sodales.Mauris.blandit@musDonecdignissim.ca'),
(4, 'Moreau', 'Nathan', '3795 Cum St.', '22170', 'Delicias', '(696) 494-1744',
'eget.ipsium.Suspendisse@amet.ca'),
(5, 'Guyot', 'Martin', '990 Sagittis. St.', '13944', 'Montreuil', '(858) 128-8383',
'Quisque.ac.libero@Donectempor.ca'),
(6, 'Herve', 'Rémi', 'Ap #872-8688 Semper Rd.', '45974', 'Enterprise', '(936) 691-8347',
'amet.consectetuer.adipiscing@Proinvelnisl.ca'),
(7, 'Rolland', 'Thibault', 'P.O. Box 694, 4582 Aliquam Rd.', '91523', 'Livo', '(895) 371-0167',
'amet@fermentum.ca'),
(8, 'Breton', 'Esteban', 'Ap #495-6473 Placerat. Road', '1672', 'Perk', '(376) 592-0277',
'egestas.rhonus@actellusSuspendisse.org'),
(9, 'Le roux', 'Lorenzo', 'P.O. Box 226, 8180 Metus Road', '52711', 'Acacías', '(331)
244-7358', 'sagittis.lobortis.mauris@sed.net'),
(10, 'Pierre', 'Tom', 'Ap #327-914 Neque Street', '85658', 'Millet', '(837) 816-5841',
'non.bibendum.sed@at.org'),
(11, 'Richard', 'Jérémy', 'Ap #751-5341 Enim St.', '99079', 'Mezzana', '(803) 107-4525',
'commodo.at.libero@penatibuset.ca'),
(12, 'Perrot', 'Thomas', 'P.O. Box 514, 7481 Lacus. Street', '15569', 'Leighton Buzzard', '(302)
693-6096', 'volutpat.nunc.sit@sagittis.edu');

INSERT INTO salarie (matricule, nom, prenom) VALUES

(100, 'Roth', 'Decker'),
(110, 'Austin', 'Hodges'),
(120, 'Armand', 'Roman'),
(130, 'Zephania', 'Duncan'),
(150, 'Gil', 'Fowler'),
(180, 'Gareth', 'Serrano');

INSERT INTO travaux (idtravaux, libelle, tauxhoraire) VALUES

(1, 'jointeur', '14.00'),
(8, 'peinture', '18.00'),
(15, 'enduit', '24.00'),
(22, 'platre', '19.00'),
(29, 'isolation', '20.00'),
(36, 'renovation', '22.00'),
(43, 'remplacement', '10.00');

INSERT INTO intervention (code_interv, description, datedebut, numerofacture, datefacture, matricule, idtravaux, idclient) VALUES

(1, 'aliquam eu accumsan sed facilisis vitae orci. Phasellus dapibus quam', '2019-09-29', '1', '1931-07-16', 100, 1, 1),
(2, 'mi eleifend egestas. Sed pharetra felis eget varius ultrices mauris', '2018-06-15', '2', '2027-11-18', 100, 8, 2),
(3, 'odio sagittis semper. Nam tempor diam dictum sapien. Aenean massa.', '2019-07-30', '3', '2016-04-15', 100, 8, 3),
(4, 'et eros. Proin ultrices. Duis volutpat nunc sit amet metus.', '2019-01-23', '4', '2029-10-17', 100, 8, 4),
(5, 'enim. Curabitur massa. Vestibulum accumsan neque et nunc. Quisque ornare', '2018-12-21', '5', '2009-10-19', 100, 8, 5),
(6, 'rutrum eu ultrices sit amet risus. Donec nibh enim gravida', '2019-08-09', '6', '2022-08-20', 100, 8, 6),
(7, 'consequat auctor nunc nulla vulputate dui nec tempus mauris erat', '2019-04-19', '7', '2024-07-21', 100, 8, 7),
(8, 'metus. In nec orci. Donec nibh. Quisque nonummy ipsum non', '2018-04-08', '8', '2015-01-19', 100, 8, 8),
(9, 'ac feugiat non lobortis quis pede. Suspendisse dui. Fusce diam', '2020-02-08', '9', '1930-10-16', 100, 8, 9),
(10, 'Curabitur massa. Vestibulum accumsan neque et nunc. Quisque ornare tortor', '2019-08-20', '10', '2018-02-19', 100, 8, 10),
(11, 'arcu imperdiet ullamcorper. Duis at lacus. Quisque purus sapien gravida', '2019-07-17', '11', '2005-09-21', 100, 8, 1),
(12, 'vitae nibh. Donec est mauris rhoncus id mollis nec cursus', '2019-11-08', '12', '2018-11-17', 100, 8, 1),
(13, 'quis pede. Suspendisse dui. Fusce diam nunc ullamcorper eu euismod', '2019-10-15', '13', '2021-10-18', 100, 8, 1),
(14, 'non quam. Pellentesque habitant morbi tristique senectus et netus et', '2018-05-18', '14', '2004-03-16', 100, 8, 1),
(15, 'Aliquam erat volutpat. Nulla dignissim. Maecenas ornare egestas ligula. Nullam', '2018-12-21', '15', '2006-05-19', 100, 8, 2),
(16, 'non nisi. Aenean eget metus. In nec orci. Donec nibh.', '2018-05-08', '16', '2008-07-16', 110, 8, 2),
(17, 'sodales nisi magna sed dui. Fusce aliquam enim nec tempus', '2020-02-04', '17', '2021-04-19', 110, 8, 2),
(18, 'est congue a aliquet vel vulputate eu odio. Phasellus at', '2019-11-01', '18', '2011-01-18', 110, 8, 2),

(19, 'ultrices. Duis volutpat nunc sit amet metus. Aliquam erat volutpat.', '2019-08-26', '19', '2003-02-21', 110, 8, 2),
(20, 'luctus vulputate nisi sem semper erat in consectetur ipsum nunc', '2018-07-19', '20', '2004-03-20', 110, 8, 2),
(21, 'magna a tortor. Nunc commodo auctor velit. Aliquam nisl. Nulla', '2018-10-28', '21', '2028-07-17', 110, 8, 2),
(22, 'sit amet nulla. Donec non justo. Proin non massa non', '2018-10-30', '22', '2015-10-18', 110, 22, 2),
(23, 'fermentum vel mauris. Integer sem elit pharetra ut pharetra sed', '2018-08-30', '23', '2001-12-19', 110, 22, 2),
(24, 'Donec porttitor tellus non magna. Nam ligula elit pretium et', '2020-03-02', '24', '2006-08-16', 110, 22, 2),
(25, 'a purus. Duis elementum dui quis accumsan convallis ante lectus', '2019-06-16', '25', '2003-06-20', 110, 22, 3),
(26, 'egestas. Sed pharetra felis eget varius ultrices mauris ipsum porta', '2018-11-14', '26', '2001-08-15', 110, 22, 3),
(27, 'Quisque purus sapien gravida non sollicitudin a malesuada id erat.', '2018-09-02', '27', '2010-05-19', 120, 22, 3),
(28, 'arcu. Morbi sit amet massa. Quisque porttitor eros nec tellus.', '2018-06-28', '28', '2019-01-16', 120, 22, 3),
(29, 'mauris ut mi. Duis risus odio auctor vitae aliquet nec', '2018-04-30', '29', '2005-03-19', 120, 29, 3),
(30, 'risus. Quisque libero lacus varius et euismod et commodo at', '2018-07-31', '30', '2015-11-17', 120, 29, 3),
(31, 'Donec est mauris rhoncus id mollis nec cursus a enim.', '2019-10-21', '31', '2011-08-18', 110, 29, 3),
(32, 'dictum sapien. Aenean massa. Integer vitae nibh. Donec est mauris', '2019-08-10', '32', '2003-11-20', 110, 29, 3),
(33, 'magna malesuada vel convallis in cursus et eros. Proin ultrices.', '2018-05-14', '33', '2016-01-20', 110, 29, 3),
(34, 'Aenean massa. Integer vitae nibh. Donec est mauris rhoncus id', '2019-11-11', '34', '2009-12-18', 110, 29, 3),
(35, 'ac turpis egestas. Aliquam fringilla cursus purus. Nullam scelerisque neque', '2018-11-30', '35', '2001-02-17', 110, 29, 4),
(36, 'pellentesque. Sed dictum. Proin eget odio. Aliquam vulputate ullamcorper magna.', '2019-10-27', '36', '2020-11-20', 110, 36, 4),
(37, 'arcu. Morbi sit amet massa. Quisque porttitor eros nec tellus.', '2020-03-04', '37', '2003-01-20', 110, 36, 4),
(38, 'nec tempus mauris erat eget ipsum. Suspendisse sagittis. Nullam vitae', '2019-12-19', '38', '2016-08-20', 110, 36, 4),
(39, 'augue porttitor interdum. Sed auctor odio a purus. Duis elementum', '2019-03-21', '39', '2025-03-22', 110, 36, 4),
(40, 'quis lectus. Nullam suscipit est ac facilisis facilisis magna tellus', '2019-12-01', '40', '2017-06-15', 110, 36, 4),
(41, 'arcu iaculis enim sit amet ornare lectus justo eu arcu.', '2018-09-17', '41', '2010-06-15', 110, 36, 4),
(42, 'imperdiet non vestibulum nec euismod in dolor. Fusce feugiat. Lorem', '2018-12-03', '42', '2014-03-20', 110, 36, 4),

(43, 'blandit. Nam nulla magna malesuada vel convallis in cursus et', '2018-05-05', '43', '2005-02-21', 110, 43, 4),
(44, 'scelerisque mollis. Phasellus libero mauris aliquam eu accumsan sed facilisis', '2019-07-13', '44', '2006-08-19', 110, 43, 4),
(45, 'ipsum non arcu. Vivamus sit amet risus. Donec egestas. Aliquam', '2018-09-17', '45', '2001-11-20', 110, 43, 5),
(46, 'pretium aliquet metus urna convallis erat eget tincidunt dui augue', '2018-04-20', '46', '2028-06-17', 110, 43, 5),
(47, 'nibh. Donec est mauris rhoncus id mollis nec cursus a', '2019-01-11', '47', '2004-05-20', 110, 43, 5),
(48, 'senectus et netus et malesuada fames ac turpis egestas. Fusce', '2020-02-10', '48', '2009-09-16', 110, 43, 5),
(49, 'augue ac ipsum. Phasellus vitae mauris sit amet lorem semper', '2018-07-12', '49', '2022-11-18', 110, 43, 5),
(50, 'massa. Integer vitae nibh. Donec est mauris rhoncus id mollis', '2019-06-11', '50', '2021-08-19', 110, 8, 5),
(51, 'turpis vitae purus gravida sagittis. Duis gravida. Praesent eu nulla', '2019-08-27', '51', '2021-11-19', 110, 8, 5),
(52, 'nulla. Integer vulputate risus a ultricies adipiscing enim mi tempor', '2018-12-03', '52', '2008-04-18', 150, 8, 5),
(53, 'eu tellus eu augue porttitor interdum. Sed auctor odio a', '2019-03-31', '53', '2010-05-18', 150, 8, 5),
(54, 'Nunc laoreet lectus quis massa. Mauris vestibulum neque sed dictum', '2018-05-09', '54', '2008-05-20', 150, 8, 5),
(55, 'lorem semper auctor. Mauris vel turpis. Aliquam adipiscing lobortis risus.', '2019-08-15', '55', '2020-05-16', 150, 8, 6),
(56, 'vel sapien imperdiet ornare. In faucibus. Morbi vehicula. Pellentesque tincidunt', '2019-02-08', '56', '2015-05-18', 120, 8, 6),
(57, 'est ac facilisis facilisis magna tellus faucibus leo in lobortis', '2019-01-18', '57', '2027-03-16', 120, 8, 6),
(58, 'dictum eleifend nunc risus varius orci in consequat enim diam', '2019-01-28', '58', '2020-09-20', 120, 8, 6),
(59, 'tincidunt congue turpis. In condimentum. Donec at arcu. Vestibulum ante', '2019-08-10', '59', '2027-01-17', 120, 8, 6),
(60, 'mollis dui in sodales elit erat vitae risus. Duis a', '2019-08-09', '60', '2021-12-17', 120, 8, 6),
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(62, 'elit. Curabitur sed tortor. Integer aliquam adipiscing lacus. Ut nec', '2019-10-13', '62', '2006-10-21', 120, 8, 6),
(63, 'Donec elementum lorem ut aliquam iaculis lacus pede sagittis augue', '2019-09-16', '63', '2010-06-15', 120, 8, 6),
(64, 'dolor sit amet consectetur adipiscing elit. Etiam laoreet libero et', '2020-02-10', '64', '2006-06-19', 120, 8, 6),
(65, 'sed pede. Cum sociis natoque penatibus et magnis dis parturient', '2018-11-21', '65', '2019-05-18', 120, 8, 7),
(66, 'Proin vel arcu eu odio tristique pharetra. Quisque ac libero', '2018-04-05', '66', '2015-01-16', 120, 8, 7),

(67, 'et risus. Quisque libero lacus varius et euismod et commodo', '2018-06-16', '67',
'2019-05-19', 120, 8, 7),
(68, 'quis turpis vitae purus gravida sagittis. Duis gravida. Praesent eu', '2018-09-04', '68',
'2025-08-21', 120, 8, 7),
(69, 'nec mauris blandit mattis. Cras eget nisi dictum augue malesuada', '2018-12-22', '69',
'2021-11-19', 120, 8, 7),
(70, 'ipsum. Curabitur consequat lectus sit amet luctus vulputate nisi sem', '2019-08-14', '70',
'2014-06-21', 120, 8, 7),
(71, 'sit amet metus. Aliquam erat volutpat. Nulla facilisis. Suspendisse commodo',
'2018-04-05', '71', '1930-06-15', 120, 22, 7),
(72, 'ac facilisis facilisis magna tellus faucibus leo in lobortis tellus', '2019-07-08', '72',
'2006-04-17', 180, 22, 7),
(73, 'diam. Sed diam lorem auctor quis tristique ac eleifend vitae', '2019-08-12', '73',
'2004-04-18', 180, 22, 7),
(74, 'erat nonummy ultricies ornare elit elit fermentum risus at fringilla', '2019-08-30', '74',
'2001-07-17', 180, 22, 7),
(75, 'Aenean gravida nunc sed pede. Cum sociis natoque penatibus et', '2019-09-27', '75',
'2008-08-15', 180, 22, 8),
(76, 'velit. Cras lorem lorem luctus ut pellentesque eget dictum placerat', '2019-07-07', '76',
'2012-12-15', 130, 22, 8),
(77, 'Fusce dolor quam elementum at egestas a scelerisque sed sapien.', '2019-04-11', '77',
'2017-04-16', 130, 22, 8),
(78, 'Suspendisse sagittis. Nullam vitae diam. Proin dolor. Nulla semper tellus', '2019-03-13',
'78', '2003-01-22', 130, 29, 8),
(79, 'Integer vulputate risus a ultricies adipiscing enim mi tempor lorem', '2019-05-23', '79',
'2006-02-16', 130, 29, 8),
(80, 'feugiat nec diam. Duis mi enim condimentum eget volutpat ornare', '2018-11-27', '80',
'2014-09-18', 130, 29, 8),
(81, 'vulputate posuere vulputate lacus. Cras interdum. Nunc sollicitudin commodo ipsum.',
'2019-08-27', '81', '2025-05-16', 130, 29, 8),
(82, 'adipiscing elit. Curabitur sed tortor. Integer aliquam adipiscing lacus. Ut', '2019-02-14',
'82', '2016-08-16', 130, 29, 8),
(83, 'sit amet ultricies sem magna nec quam. Curabitur vel lectus.', '2018-09-13', '83',
'2009-01-21', 130, 29, 8),
(84, 'placerat eget venenatis a magna. Lorem ipsum dolor sit amet', '2019-06-17', '84',
'2014-04-18', 130, 29, 8),
(85, 'condimentum eget volutpat ornare facilisis eget ipsum. Donec sollicitudin adipiscing',
'2019-09-17', '85', '2010-05-17', 130, 36, 9),
(86, 'lorem tristique aliquet. Phasellus fermentum convallis ligula. Donec luctus aliquet',
'2019-10-16', '86', '2026-04-15', 130, 36, 9),
(87, 'malesuada malesuada. Integer id magna et ipsum cursus vestibulum. Mauris',
'2019-05-06', '87', '2014-11-21', 130, 36, 9),
(88, 'luctus sit amet faucibus ut nulla. Cras eu tellus eu', '2019-10-12', '88', '2011-10-17', 130,
36, 9),
(89, 'nec ante blandit viverra. Donec tempus lorem fringilla ornare placerat', '2018-04-17',
'89', '2020-09-15', 130, 36, 9),
(90, 'lobortis mauris. Suspendisse aliquet molestie tellus. Aenean egestas hendrerit neque.',
'2018-11-12', '90', '2013-12-18', 130, 36, 9),

(91, 'quam dignissim pharetra. Nam ac nulla. In tincidunt congue turpis.', '2019-03-22', '91', '2001-01-21', 130, 36, 9),
 (92, 'sem ut dolor dapibus gravida. Aliquam tincidunt nunc ac mattis', '2019-11-27', '92', '2010-06-15', 130, 43, 9),
 (93, 'tincidunt neque vitae semper egestas urna justo faucibus lectus a', '2018-09-15', '93', '2020-01-17', 130, 43, 9),
 (94, 'eget massa. Suspendisse eleifend. Cras sed leo. Cras vehicula aliquet', '2020-01-03', '94', '2022-11-21', 130, 43, 9),
 (95, 'Nullam enim. Sed nulla ante iaculis nec eleifend non dapibus', '2019-12-20', '95', '2008-01-16', 130, 43, 10),
 (96, 'ac libero nec ligula consectetur rhoncus. Nullam velit dui semper', '2019-04-19', '96', '2021-10-19', 130, 43, 10),
 (97, 'imperdiet dictum magna. Ut tincidunt orci quis lectus. Nullam suscipit', '2019-07-05', '97', '2015-11-21', 130, 43, 10),
 (98, 'malesuada ut sem. Nulla interdum. Curabitur dictum. Phasellus in felis.', '2018-06-21', '98', '2022-04-19', 130, 43, 10),
 (99, 'Phasellus libero mauris aliquam eu accumsan sed facilisis vitae orci.', '2018-07-21', '99', '1930-04-17', 130, 8, 10),
 (100, 'rutrum eu ultrices sit amet risus. Donec nibh enim gravida', '2020-03-21', '100', '2024-04-16', 130, 8, 10);

INSERT INTO besoin (siret, reference, code_interv, quantite) VALUES

(392928, 'A3397', 29, '50.00'),
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 (7674369, 'A7712', 80, '17.00'),
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 (7674369, 'E7764', 96, '13.00'),
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(28348985, 'A2280', 54, '33.00'),
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INSERT INTO medecin (numRPPS, nom, prenom, adresse, codepostal, ville) VALUES
 (1, 'Yohan', 'Roux', 'P.O. Box 352, 1738 Et, Avenue', '84297', 'Compiano'),
 (11, 'Valentin', 'Guillot', '960-3408 Sed St.', '65981', 'Dieppe'),
 (12, 'Titouan', 'Olivier', 'Ap #138-8439 Proin St.', '37925', 'Thane'),
 (34, 'Marwane', 'Bailly', 'Ap #646-760 Lorem Avenue', '19860', 'Port Hope'),
 (38, 'Dorian', 'Marchal', '261-4012 Aenean Av.', '86138', 'Sanzeno'),
 (100, 'Lucas', 'Fontaine', '967-5657 Purus. Street', '6731', 'Cedar Rapids');

INSERT INTO travail (code_interv, matricule, nbheures, datetravaux) VALUES
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A TRIGGERS

Ecrire les deux triggers pour implémenter les deux inclusions de GARCIA

1 Le matricule chef de l'intervention appartient aux salariés intervenants (relation travail)

2 Les natures des travaux (travaux) des intervenants doivent être dans leurs compétences (posséder) Et être actives (dateinvalidité)

B PROCEDURES

1 Ajustements appros Ecrire une procédure qui ajuste les appros aux besoins. Création ou mise à jour d'appros afin que $\text{appro} \geq \text{besoin}$

2 Alerte visite médicale Lister par médecin les visites médicales échues par date de fin croissante avec un total en nombre.

3 Compétences manquantes Insérer les compétences manquantes des salariés afin que la contrainte soit vérifiée. La date de la visite médicale sera initialisée avec la date du jour et date de fin + 1 an. Le numéro de la visite sera incrémenté et le numéro de médecin à 1. Avec une sortie écran des visites médicales à effectuer.

4 Chef → intervenant Insérer le chef en intervenant afin de respecter la contrainte. Nombre heures = 0 C Fonction Ecrire une fonction qui retourne le cout total d'une intervention