WORKSHOP DLL

Note: ligne 112, i still struggle with the constraint unique and not null at the same line idk why

```
 1  --1. database centre de formation
 2
 3  CREATE DATABASE centre_de_formation
 4  COLLATE Latin1_General_CI_AS;
 5
 6  --2. table Trainee
 7  create table Trainee(
 8        trainee_code int primary key,
 9        social_security_num varchar(20),
10        surname varchar(50),
11        age int,
12        sex varchar(10),
13        place_of_birth varchar(100),
14        employer_name varchar(100),
15        employer_address varchar(255),
16        employer_telephone varchar(20),
17        area_of_experise varchar(100),
18        title varchar(50),
19        level varchar(50),
20        position_held varchar(50)
21
22  );
23
24  --3. table Instructor
25  create table Instructor(
26        instructor_id int primary key,
27        surname varchar(50),
28        age int,
29        place_of_birth varchar(100),
30        contact_details varchar(255),
31        employment_status varchar(20)
32
33
34  );
35
36
37  --4. table course
```

```sql
38 create table Course(
39        course_code int primary key,
40        --title variable name is repetitive in table etudiants
41        title varchar(100)
42
43 );
44
45 --5. table Guild
46 create table Guild(
47        guild_id int primary key,
48        course_code int,
49        foreign key (course_code) references Course(course_code),
50        start_date date,
51        end_date date,
52        num_participants int
53
54
55 );
56
57
58 --6. table Previous_Employer
59 create table Previous_Employer(
60        prev_emp_id int primary key,
61        trainee_code int,
62        foreign key (trainee_code) references Trainee(trainee_code),
63        name varchar(100),
64        address varchar(255),
65        telephone varchar(20)
66
67
68 );
69
70 --7. table Trainee_Course
71 create table Trainee_Course(
72        trainee_code int,
73        foreign key (trainee_code) references Trainee(trainee_code),
74        guild_id int,
75        foreign key (guild_id) references Guild(guild_id),
76        final_assessement varchar(50),
77
78 );
79
80 --8. table Instructor_Course
81 create table Instructor_Course(
82        instructor_id int,
83        foreign key (instructor_id) references Instructor(instructor_id),
84        guild_id int,
```

```sql
85            foreign key (guild_id) references Guild(guild_id),
86            qualifications varchar(255)
87
88
89  );
90
91  exec sp_help 'Trainee';
92  exec sp_help 'Instructor';
93  exec sp_help 'Course';
94  exec sp_help 'Guild';
95  exec sp_help 'Previous_Employer';
96  exec sp_help 'Trainee_Course';
97  exec sp_help 'Instructor_Course';
98
99  --9.insertions de données
100 --Table Trainee
101 insert into Trainee values
102 (1, '123-45-6789', 'Dupont', 30, 'M', 'Paris', 'TechCorp', '123 Rue
    Principale', '0102030405', 'Informatique', 'Développeur', 'Intermédiaire',
    'Chef de projet'),
103
104 (2, '987-65-4321', 'Martin', 25, 'F', 'Lyon', 'BioMed', '456 Boulevard Bio',
    '0203040506', 'Biotechnologie', 'Chercheur', 'Débutant', 'Assistant de
    recherche');
105
106 insert into Course values
107 (101, 'Programmation Java'),
108
109 (102, 'Introduction à la biotechnologie');
110
111 --10. modification des tables
112 alter table Trainee add email varchar(100) not null unique;
113 alter table Course add description varchar(255);
114 alter table Instructor add date_of_hire date default getdate();
```