Create a School Database

DESCRIPTION

Using SQL Server MMC, create tables and indexes for storing students, subjects and classes data.

Background of the problem statement:

Rainbow School is creating software for school management. The first stage is to design a database in SQL Server which will manage all the data. This database will then be used in the web-based application for school management.

You must use the following:

SQL Server 17 Express Edition

Tables:

The following master tables will be created:

Student – store all student data across multiple classes

Subjects – master list of subjects taught in all classes

Classes – list of classes in the school

Following requirements should be met:

Some of the source code should be tracked on GitHub repositories. You need to document the tracked files that are ignored during the final push to the GitHub repository.

The submission of your GitHub repository link is mandatory. In order to track your task, you need to share the link of the repository in the document.

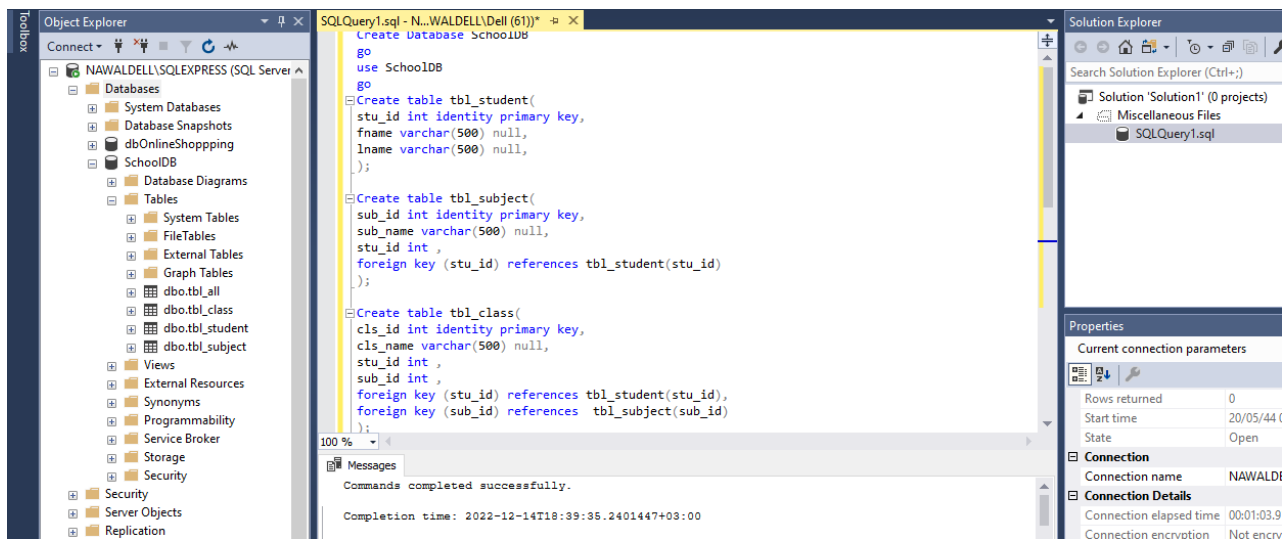The step-by-step process involved in completing this task should be documented.

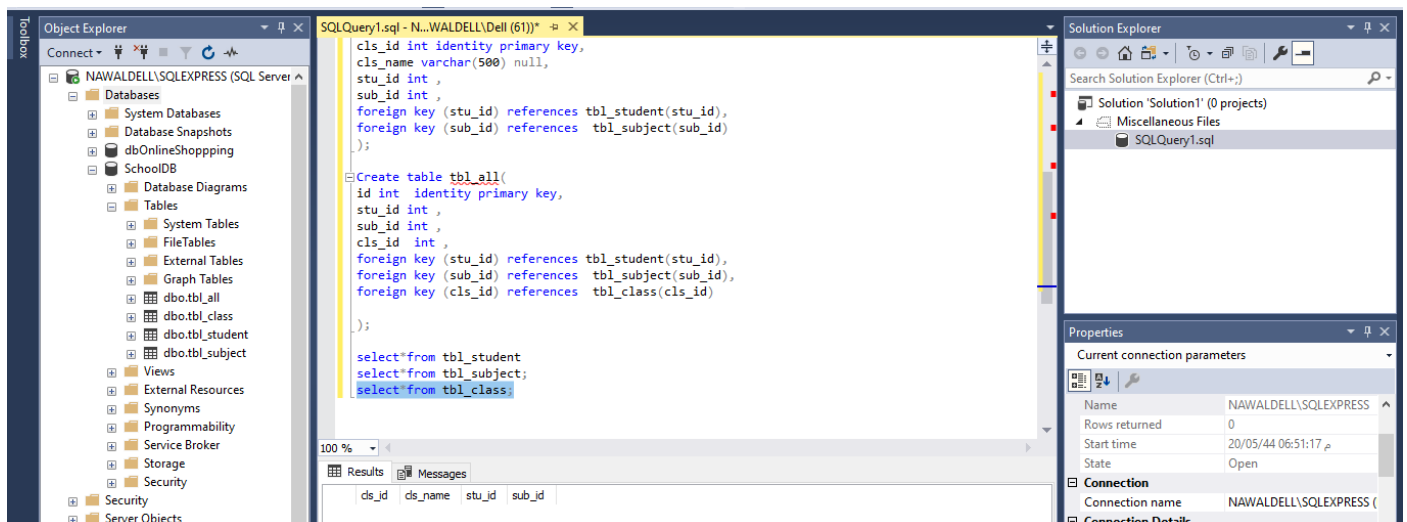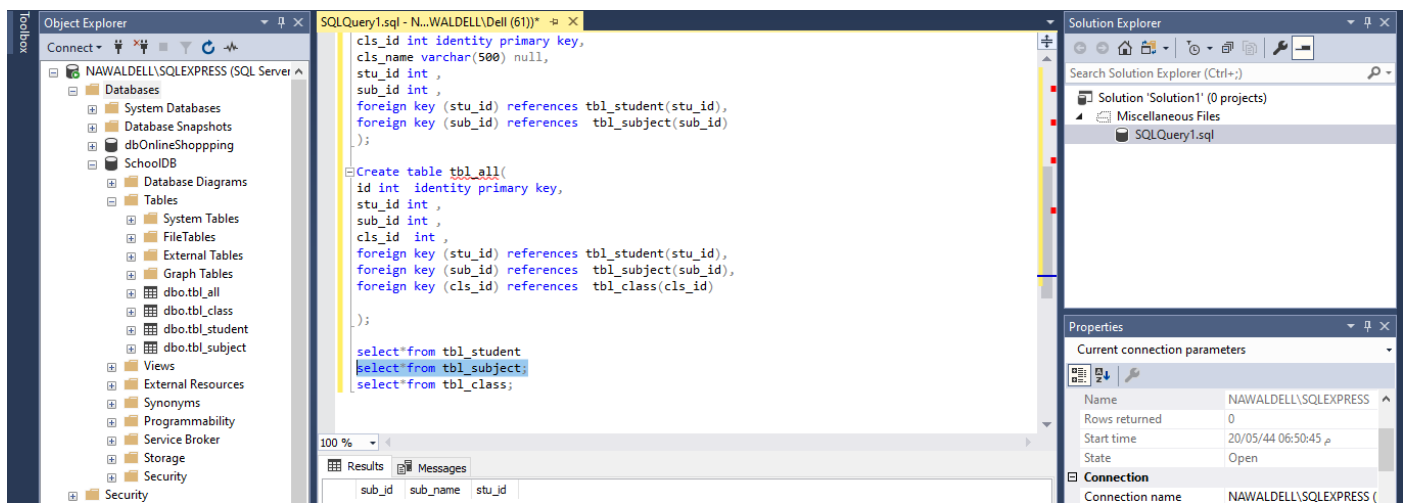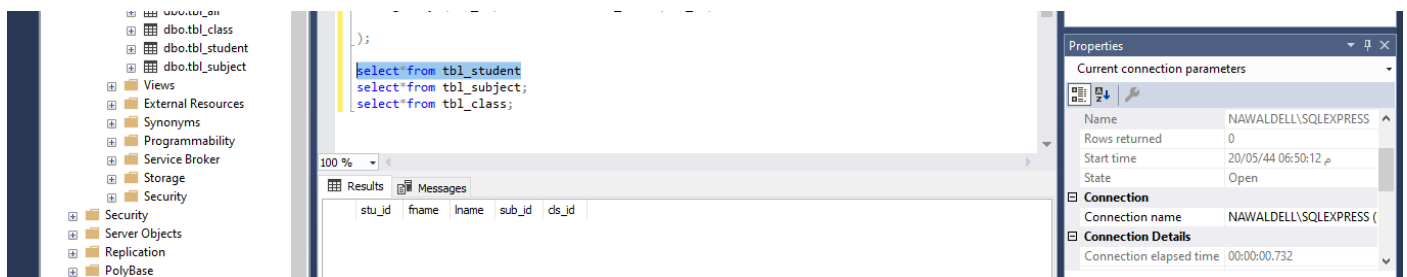This document contains to :

Write up:

- Create DB
- three tables is created:(Student - Subjects   -   Classes)
- Display of each table template
- Insertion of data into each table.
- Display tables contents
- Pushing to the GitHub
- Link to the Repository **https://github.com/bitonal/Assignments_Cource3.git**

Screen Shoots:

1. Create DB called schoolDB
2. three tables is created:
   a. Student   tbl_student
   b. Subjects   tbl_subject
   c. Classes   tbl_class

Messages
Commands completed successfully.
Completion time: 2022-12-14T18:39:35.2401447+03:00

3. Display of each table template:

```
select*from tbl_student
select*from tbl_subject;
select*from tbl_class;
```

Results

stu_id	fname	lname	sub_id	cls_id

```
cls_id int identity primary key,
cls_name varchar(500) null,
stu_id int ,
sub_id int ,
foreign key (stu_id) references tbl_student(stu_id),
foreign key (sub_id) references  tbl_subject(sub_id)
);

Create table tbl_all(
id int  identity primary key,
stu_id int ,
sub_id int ,
cls_id  int ,
foreign key (stu_id) references tbl_student(stu_id),
foreign key (sub_id) references tbl_subject(sub_id),
foreign key (cls_id) references tbl_class(cls_id)
);

select*from tbl_student
select*from tbl_subject;
select*from tbl_class;
```

Results

sub_id	sub_name	stu_id

```
cls_id int identity primary key,
cls_name varchar(500) null,
stu_id int ,
sub_id int ,
foreign key (stu_id) references tbl_student(stu_id),
foreign key (sub_id) references  tbl_subject(sub_id)
);

Create table tbl_all(
id int  identity primary key,
stu_id int ,
sub_id int ,
cls_id  int ,
foreign key (stu_id) references tbl_student(stu_id),
foreign key (sub_id) references  tbl_subject(sub_id),
foreign key (cls_id) references tbl_class(cls_id)
);

select*from tbl_student
select*from tbl_subject;
select*from tbl_class;
```

Results

cls_id	cls_name	stu_id	sub_id

4. Insertion of data into each table

5. Display tables contents

6. Pushing into the GitHub:

```
Dell@NawalDELL MINGW64 /e/AssCource3/Ass1
$ git init
Initialized empty Git repository in E:/AssCource3/Ass1/.git/

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (master)
$ git branch -M main

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git add .

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git ls
git: 'ls' is not a git command. See 'git --help'.

The most similar command is
        lfs

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ ls
DBShooleMS.sql

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git commit -m "Add First Ass of C3"
```

```
Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git commit -m "Add First Ass of C3"
[main (root-commit) 2b9f2a0] Add First Ass of C3
 1 file changed, 40 insertions(+)
 create mode 100644 DBShooleMS.sql

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git status
On branch main
nothing to commit, working tree clean

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git log
commit 2b9f2a0c620a5c09e15622930260cc408582edc3 (HEAD -> main)
Author: Nawal <maltego432@gmail.com>
Date:   Tue Dec 13 16:37:52 2022 +0300

    Add First Ass of C3

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git remote add origin https://github.com/bitonal/Assignments_Cource3.git

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
```

```
On branch main
nothing to commit, working tree clean

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git log
commit 2b9f2a0c620a5c09e15622930260cc408582edc3 (HEAD -> main)
Author: Nawal <maltego432@gmail.com>
Date:   Tue Dec 13 16:37:52 2022 +0300

    Add First Ass of C3

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git remote add origin https://github.com/bitonal/Assignments_Cource3.git

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git push -u origin main
fatal: 'orign' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

Dell@NawalDELL MINGW64 /e/AssCource3/Ass1 (main)
$ git push -u origin main
```

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main 1 branch 0 tags

bitonal Add Ass1   13d9461 2 minutes ago   2 commits

Ass1   Add Ass1   2 minutes ago
README.md   Initial commit   10 minutes ago

README.md

Assignments_Cource3

About

No description, website, or topics provided.

Readme
0 stars
1 watching
0 forks

Releases

No releases published
Create a new release

Link to this repository:
https://github.com/bitonal/Assignments_Cource3.git