Auto Accidents SQL Statements

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Accidents SQL Statements

Here is my text file that I will use to save my SQL statements when they work as intended. I will be using Google Docs for this so that way my work will be automatically saved to the cloud for each keystroke. I will then export this document as a .txt file per the portfolio project requirements.

**SQL Statements**

**Create the schema:**

1. CREATE SCHEMA accidents;

**Create the tables:**

1. USE accidents;
2. CREATE TABLE accidents\_2016 (
3. accident\_index nvarchar(13),
4. accident\_severity int,
5. PRIMARY KEY (accident\_index)
6. );
7. CREATE TABLE vehicle\_type (
8. vcode int,
9. vtype varchar(100),
10. PRIMARY KEY (vcode)
11. );
12. CREATE TABLE vehicles\_2016 (
13. accident\_index nvarchar(13),
14. vehicle\_type int,
15. PRIMARY KEY (accident\_index),
16. FOREIGN KEY (accident\_index) REFERENCES accidents\_2016(accident\_index),
17. FOREIGN KEY (vehicle\_type) REFERENCES vehicle\_type(vcode)
18. );

**Populate the tables:**

It appears that the ‘LOAD DATA INTO INFILE’ query is no longer compatible with the most recent version of MySQL (8.0). I attempted to use the import wizard to add the data to the tables, which worked until I got to the ‘vehicles\_2016’ table, which the import wizard did not recognize the .csv file. The solution to this problem was to rollback the MySQL Server software to version 5.7 where the ‘LOAD DATA INTO INFILE’ command when entered into the command-line client worked as expected. After the data was added a ‘SELECT \*’ statement was used to make sure everything was correct. It appears that MySQL displays the ‘VARCHAR(13)’ datatype for ‘accident\_index’ as scientific notation, for which the solution was to change the datatype to ‘NVARCHAR(13)’.

1. USE accidents;
2. load data local infile 'C:/accidents\_2016.csv'
3. into table accidents\_2016
4. fields terminated by ','
5. enclosed by '"'
6. lines terminated by '\n'
7. ignore 1 lines
8. (@col1, @dummy, @dummy, @dummy, @dummy, @dummy, @col2

,@dummy, @dummy, @dummy, @dummy, @dummy

,@dummy, @dummy, @dummy, @dummy, @dummy

,@dummy, @dummy, @dummy, @dummy, @dummy

,@dummy, @dummy, @dummy, @dummy, @dummy

,@dummy, @dummy, @dummy, @dummy, @dummy)

1. set accident\_index=@col1,accident\_severity=@col2;
2. load data local infile 'C:/vehicle\_type.csv'
3. into table vehicle\_type
4. fields terminated by ','
5. enclosed by '"'
6. lines terminated by '\n'
7. ignore 1 lines;
8. load data local infile 'C:/vehicles\_2016.csv'
9. into table vehicles\_2016
10. fields terminated by ','
11. enclosed by '"'
12. lines terminated by '\n'
13. ignore 1 lines
14. (@col1, @dummy, @dummy, @col2

,@dummy, @dummy, @dummy, @dummy, @dummy

,@dummy, @dummy, @dummy, @dummy, @dummy

,@dummy, @dummy, @dummy, @dummy, @dummy

,@dummy, @dummy, @dummy, @dummy, @dummy)

1. set accident\_index=@col1,vehicle\_type=@col2;

References

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