TITLE :PLICKER CARD IMPLEMENTATION

DBMS ASSIGNMENT 1

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Sec : IT-B

ROLL NO: 1602 -18-737-093

ABSTRACT

Plickers is a web tool that can be used for formative assessment even in a low technology classroom and hence found immensely beneficial to classrooms in rural south India where restrictions marginalise the 'Bring Your Own Device' concept. For its application, it requires only one computer, the Plickers mobile app installed to a smart phone and Plickers assessment cards. It has been proved to be an effective,

timesaving, easy to use edu tech tool that can be used in Indian classrooms

REQUIREMENT ANALYSIS

We require a total of 5 tables in order to keep a track of that database. One to store the details of the student, another for the details of the admin , one for instructor details and other 2 to store the details of the question and its options with correct option. The basic attributes are id, name of any entity, besides this, descriptive attributes are also present. Entity name can have a data type of char for attributes like name, question options to choose correct answer, student remarks, subject taught by the instructor. Number for score , class, exp and vachar2 for id. s

The relationship between various entity sets helps in retrieval of the information and feedback of the queries.

List of entities with their attributes and domain types

Student : id number(5) (primary key)

name char(20)

Score number(5)

Remarks char(20)

Class number(5)

Instructor : id number(5) (primary key)

Name char(20)

Subject char(20)

Experience number(5)

Class number(5)

Admin : id number(5) (primary key)

Name char(20)

Question : no. number(5) (primary key)

Question char(1000)

Marks awarded number(5)

Answer : id number(5) (primary key)

Opt1 char(20)

Opt2 char(20)

Opt3 char(20)

Opt4 char(20)

Crct_answer : id number (5) foreign key from answer

No. number(5) foreign key from question

Taught : id number(5) foreign key from studentd

Id number(5) foreign key from instructor

Subject char(20)

Manage : id number(5) foreign key from student

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Id number(5) foreign key from admin

Given_ques: no. number(5) foreign key from question

Id number(5) foreign key from studentd

MAPPING CARDINALITIES AND

PARTICIPATION CONSTRAINTS

Student details (many) given_ques question(many)-total participation

Student details(many) manage admin(one) – partial participation

Question(one) crct-ans answer(one)- total participation

Student details (many) taught Instructor(many)- partial participation

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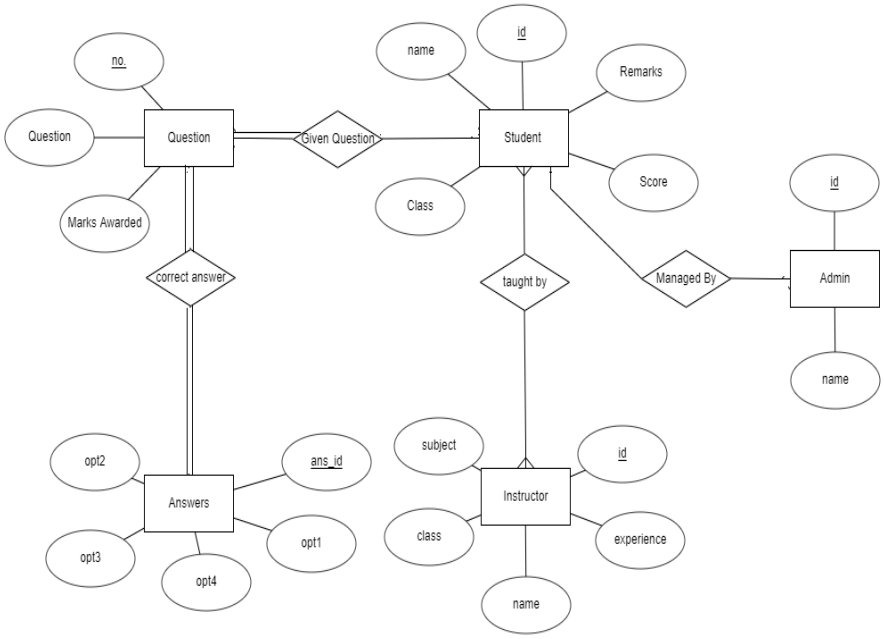
ENTITY RELATIONSHIP DIAGRAM



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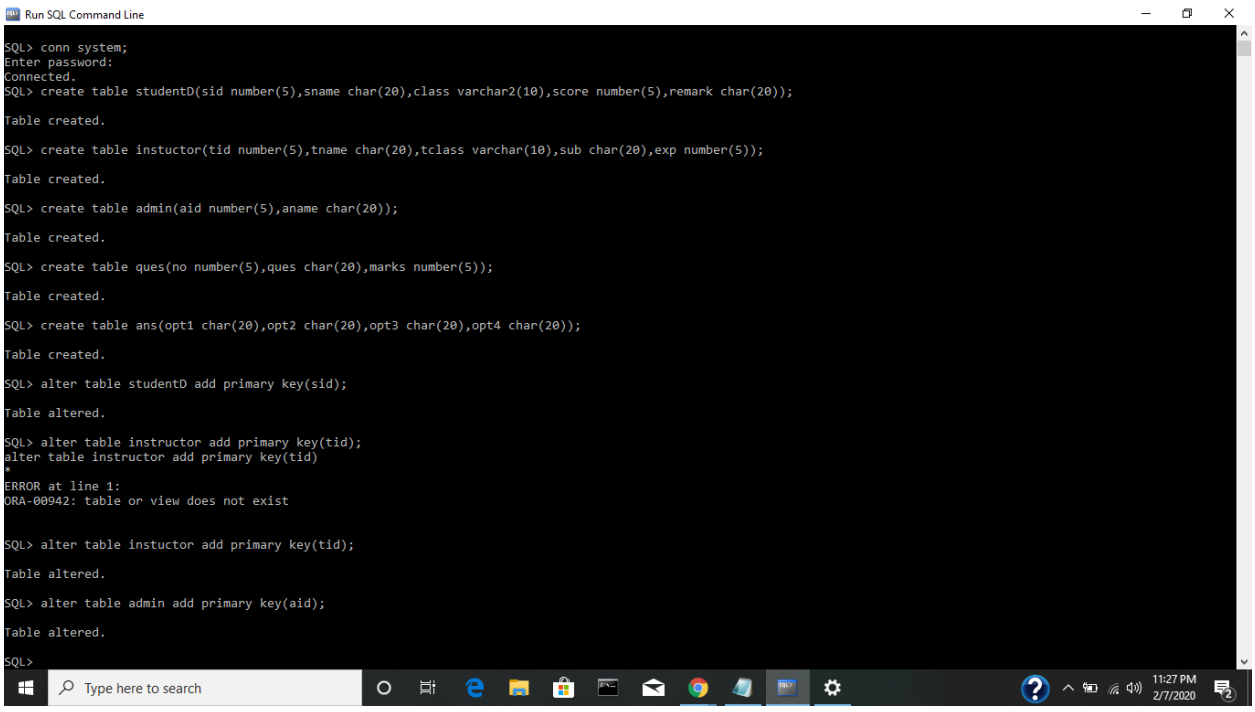
DDL COMMANDS:

```
SQL*Plus: Release 11.2.0.2.0 Production on Fri Feb 7 23:02:21 2020

Copyright (c) 1982, 2010, Oracle.  All rights reserved.

SQL> conn system;
Enter password:
Connected.
SQL> create table studentD(sid number(5),sname char(20),class varchar2(10),score number(5),remark char(20));

Table created.

SQL> create table instuctor(tid number(5),tname char(20),tclass varchar(10),sub char(20),exp number(5));

Table created.

SQL> create table admin(aid number(5),aname char(20));

Table created.

SQL> create table ques(no number(5),ques char(20),marks number(5));

Table created.

SQL> create table ans(opt1 char(20),opt2 char(20),opt3 char(20),opt4 char(20));

Table created.

SQL>
```



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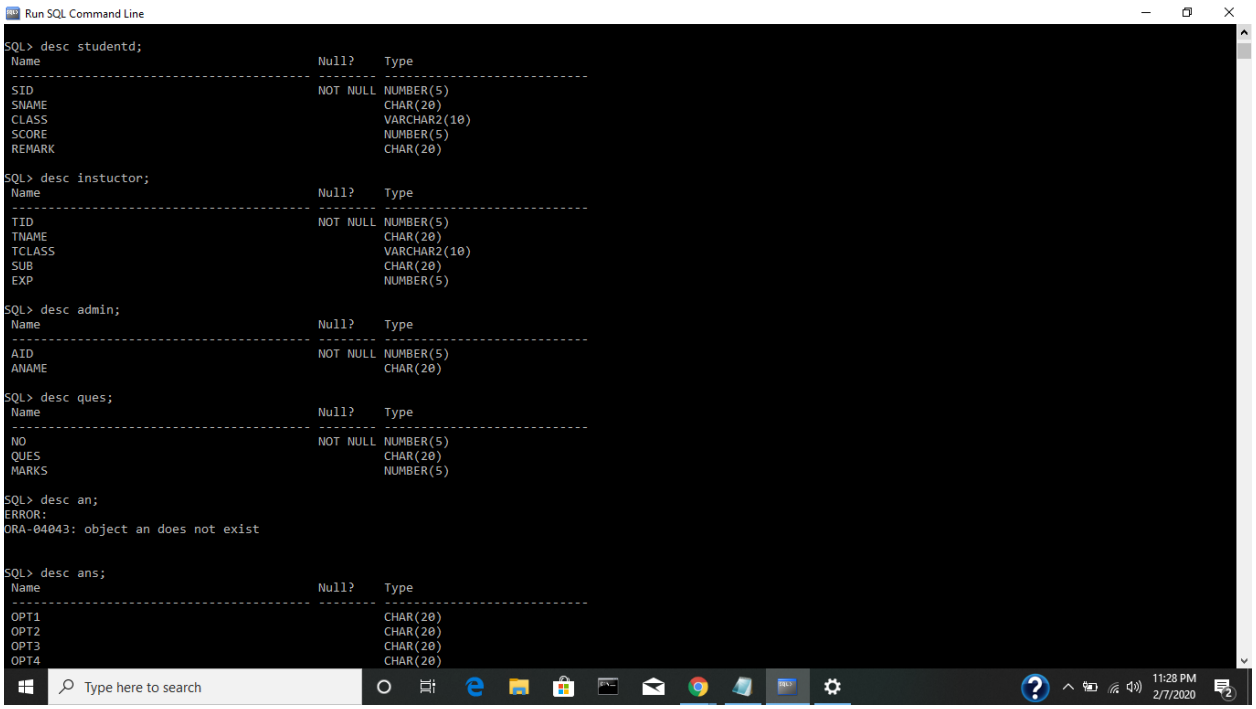

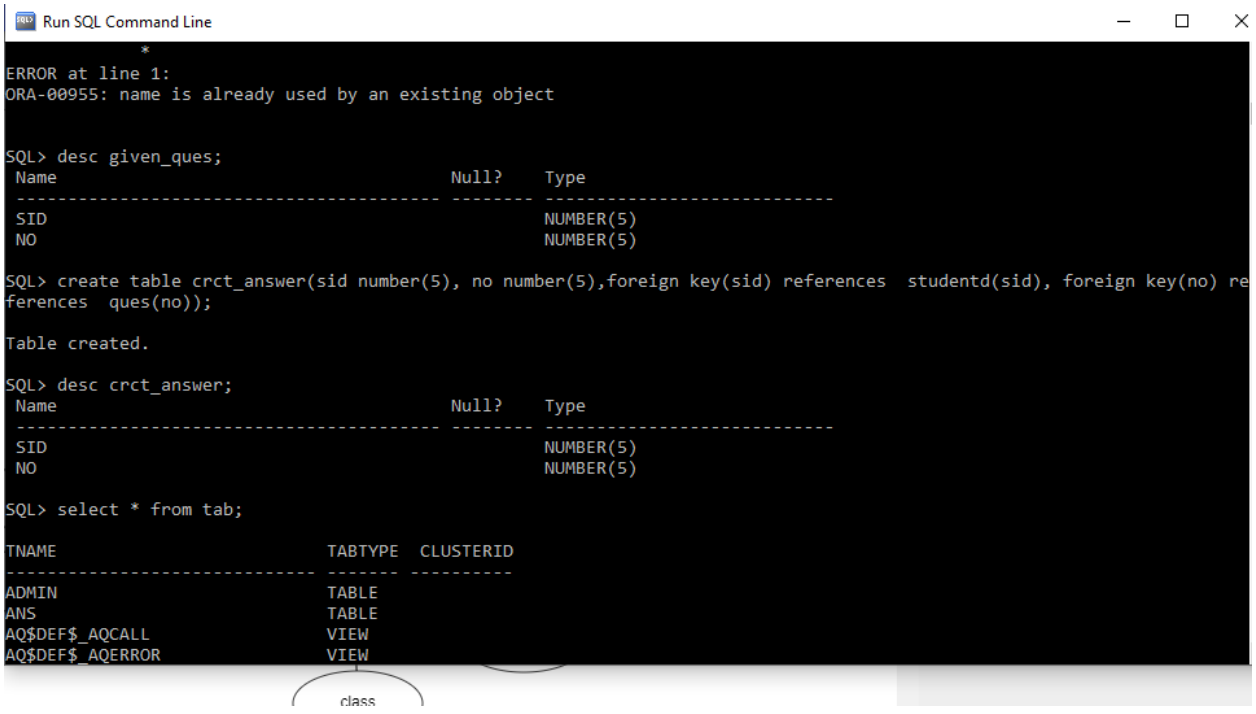

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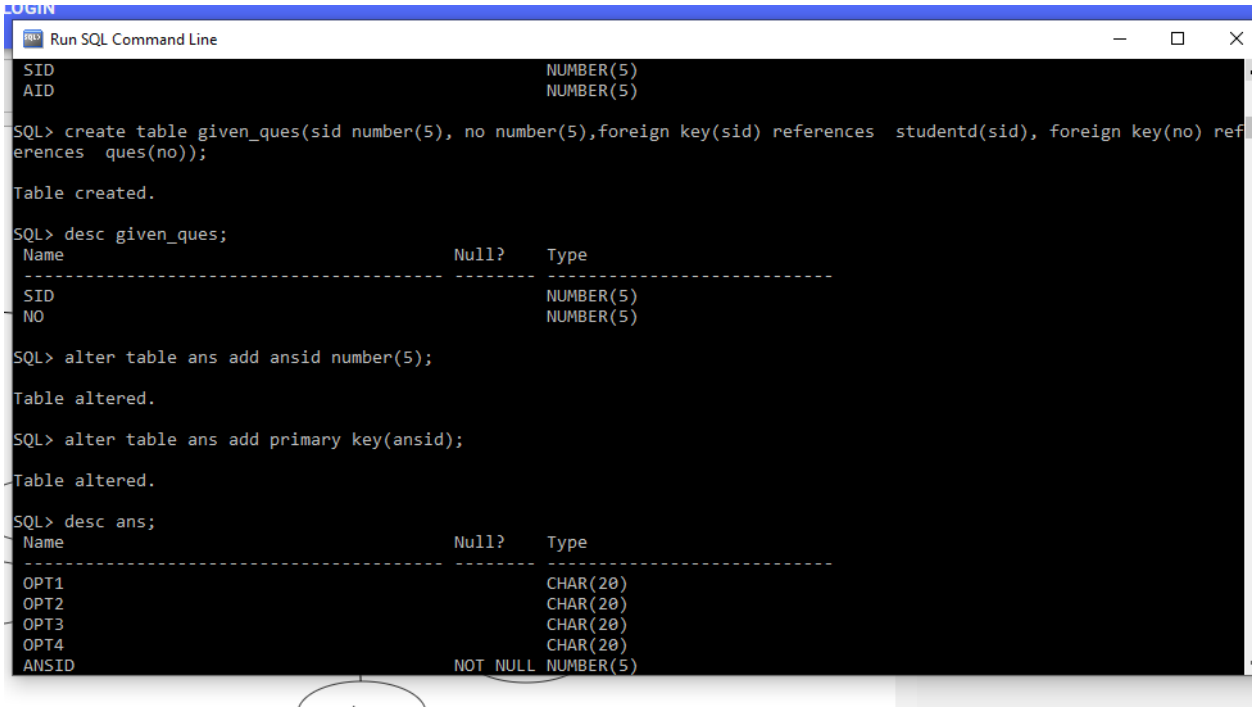

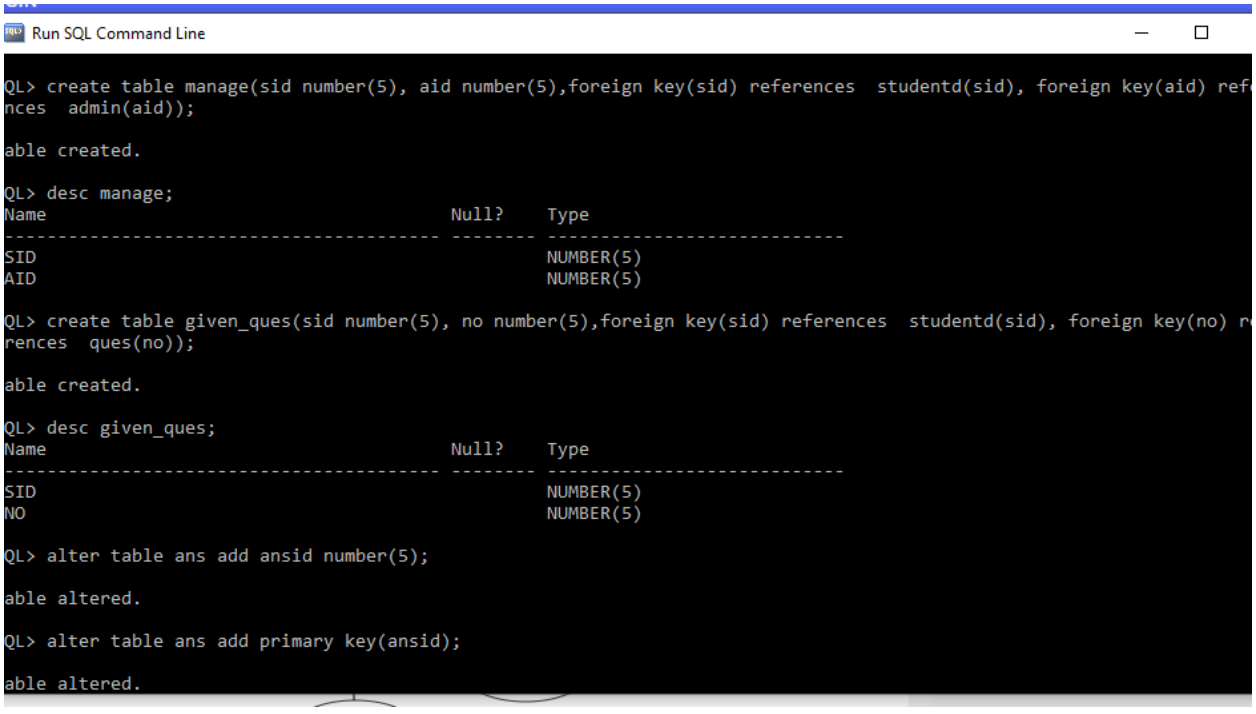

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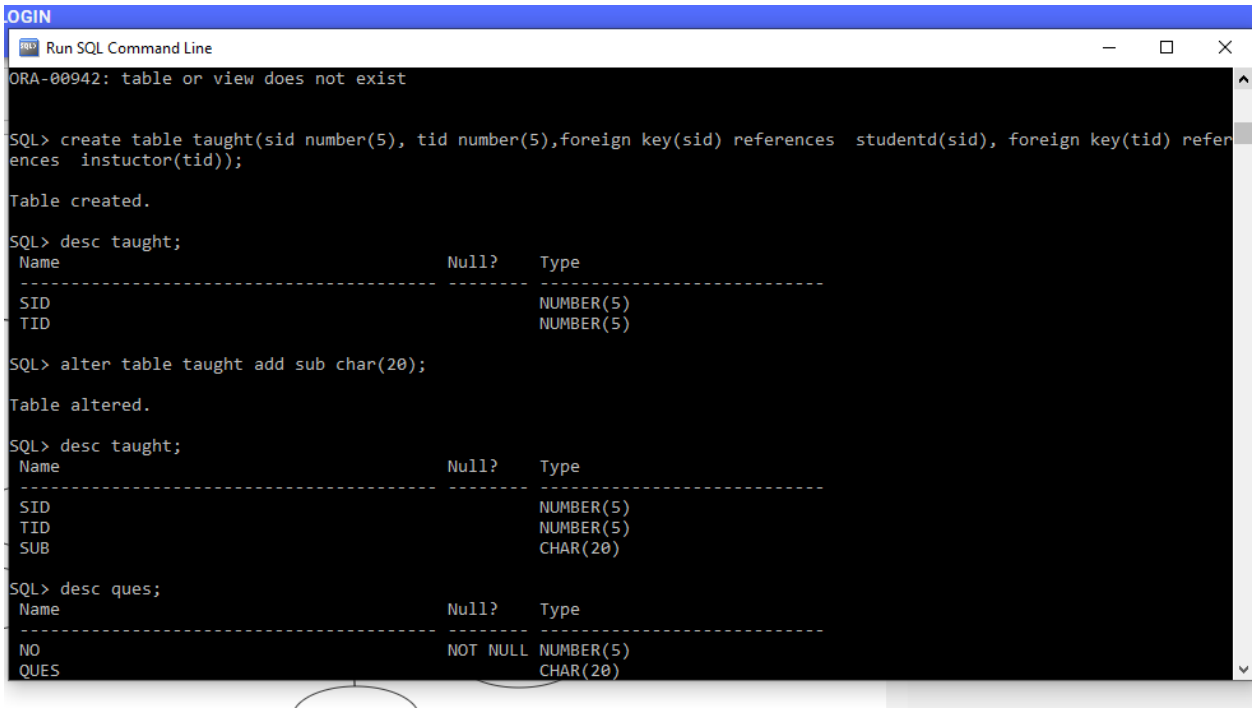

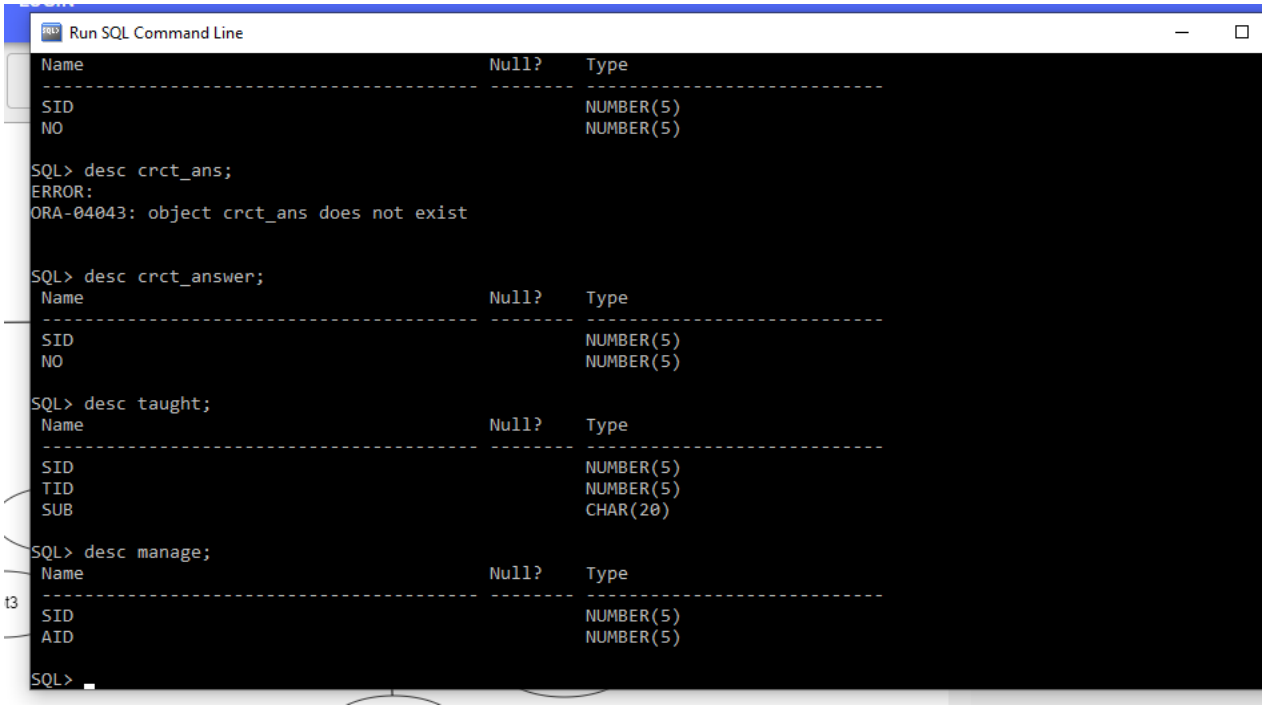

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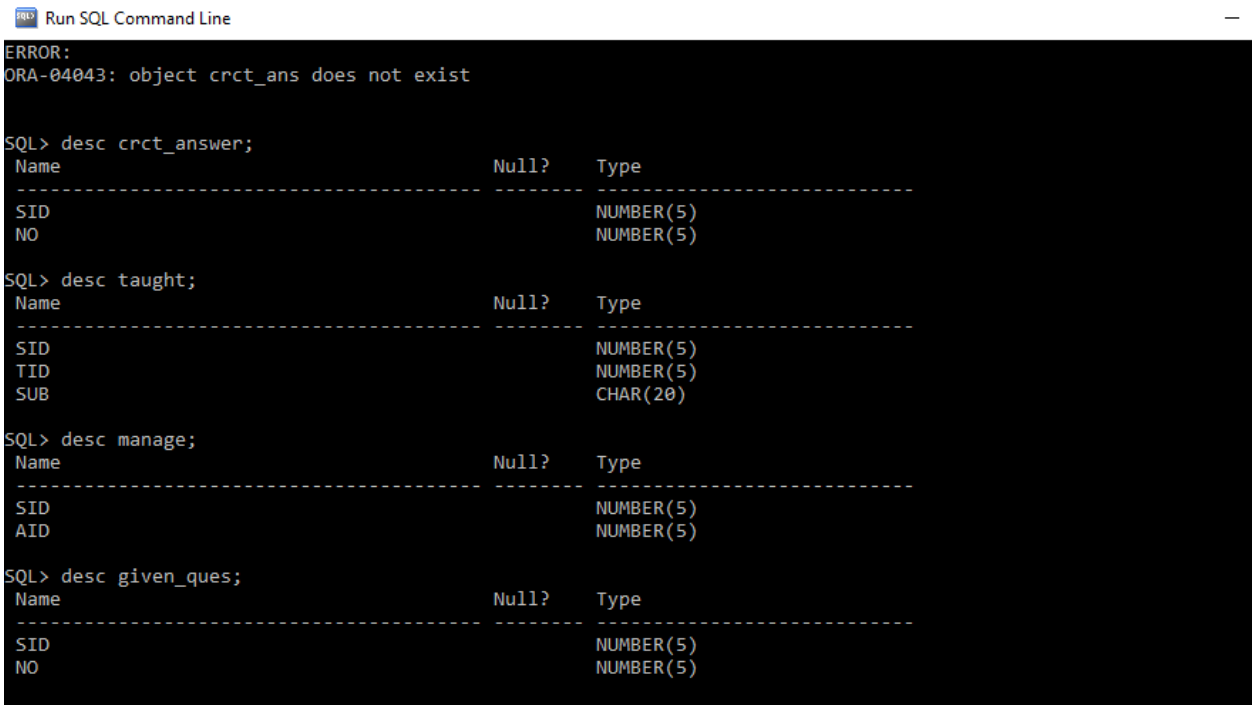

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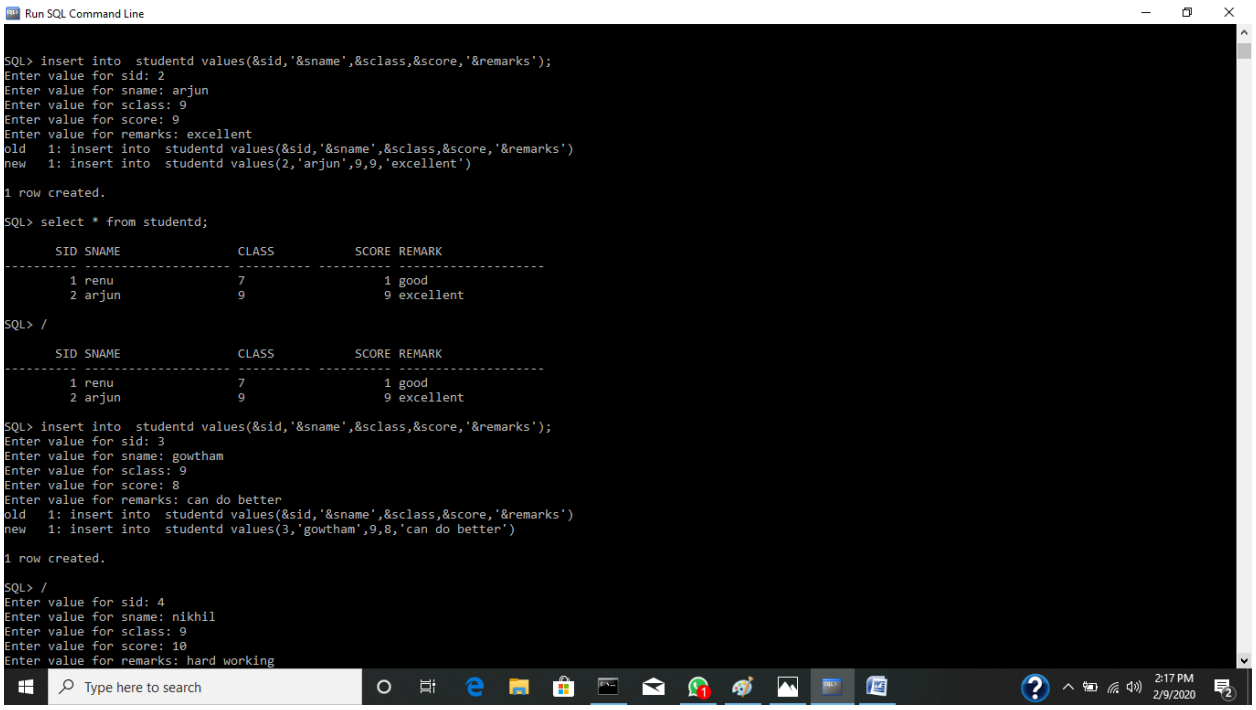

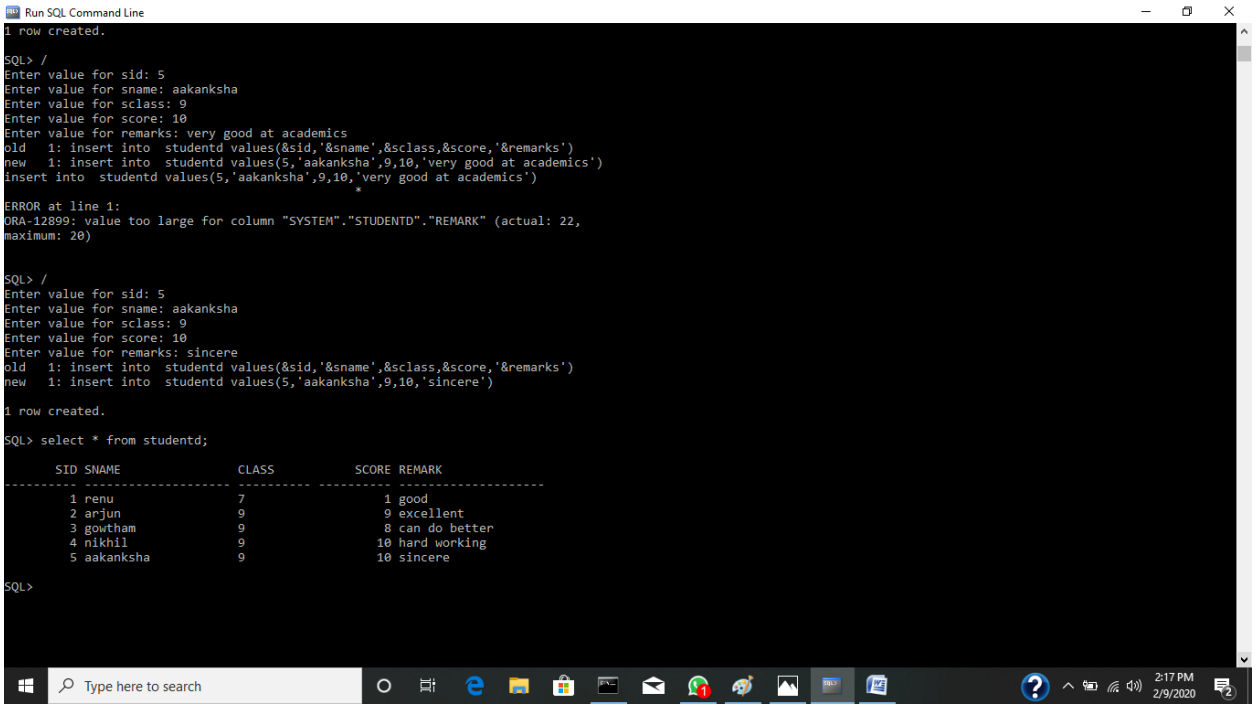

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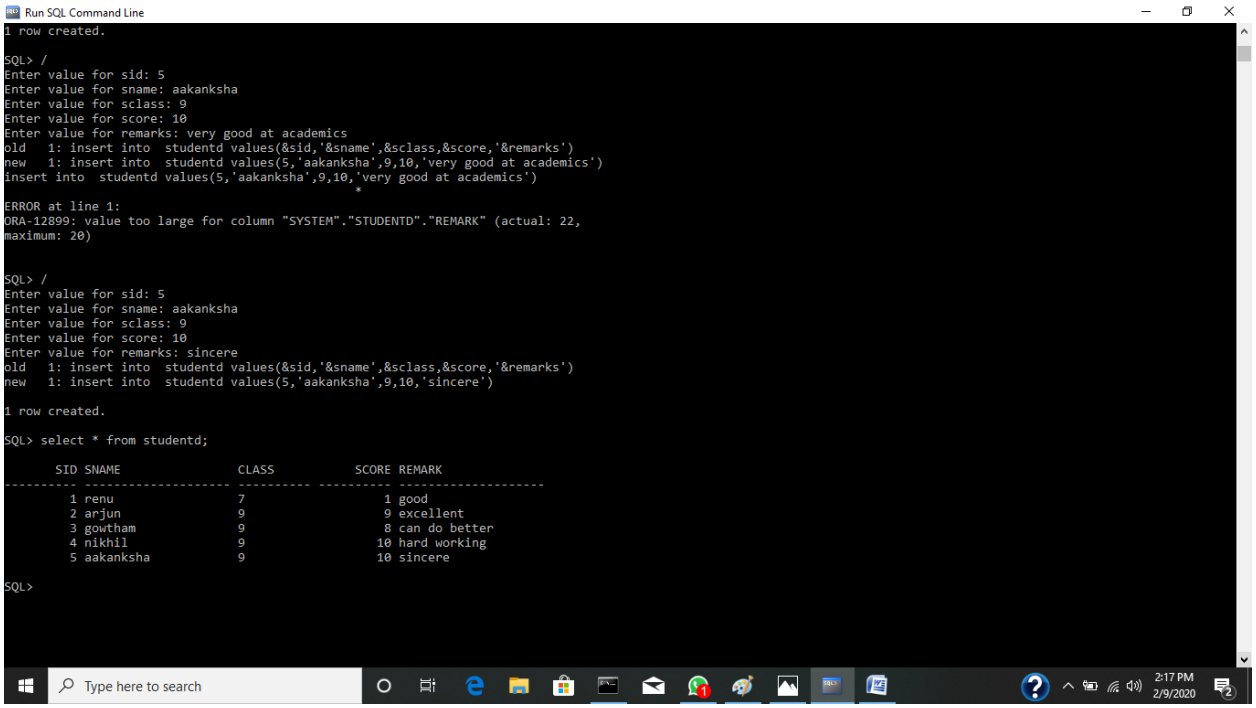

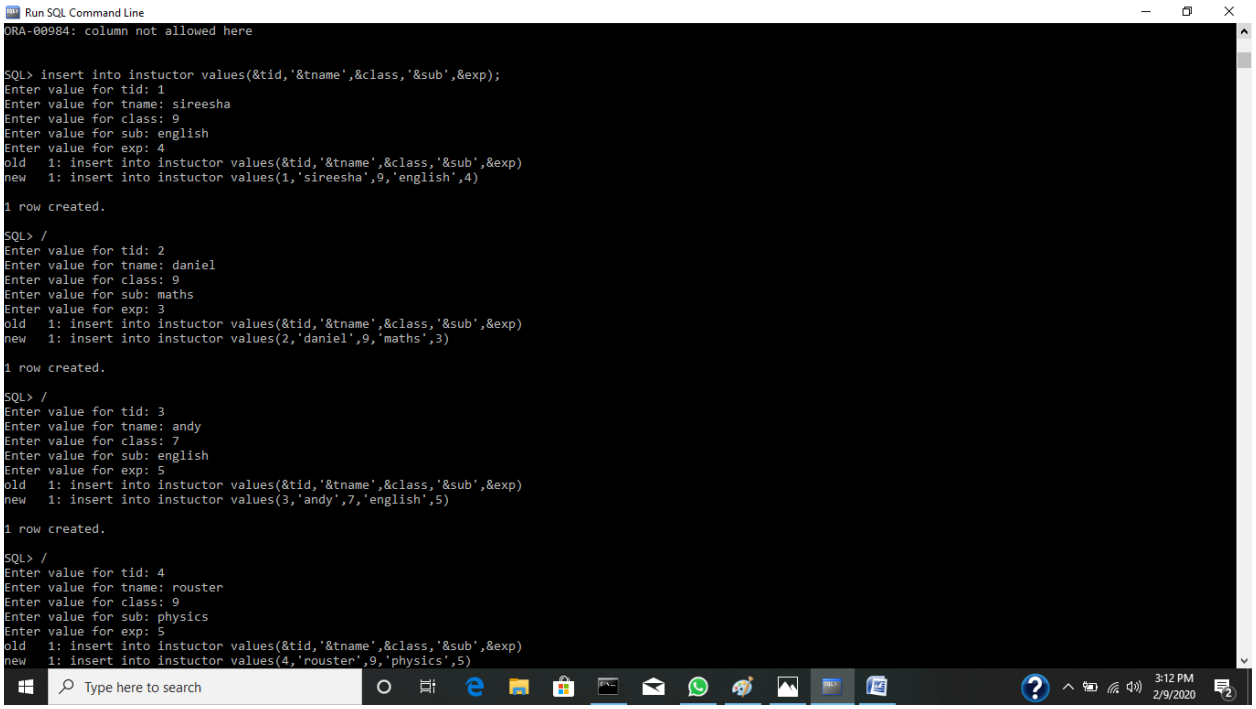

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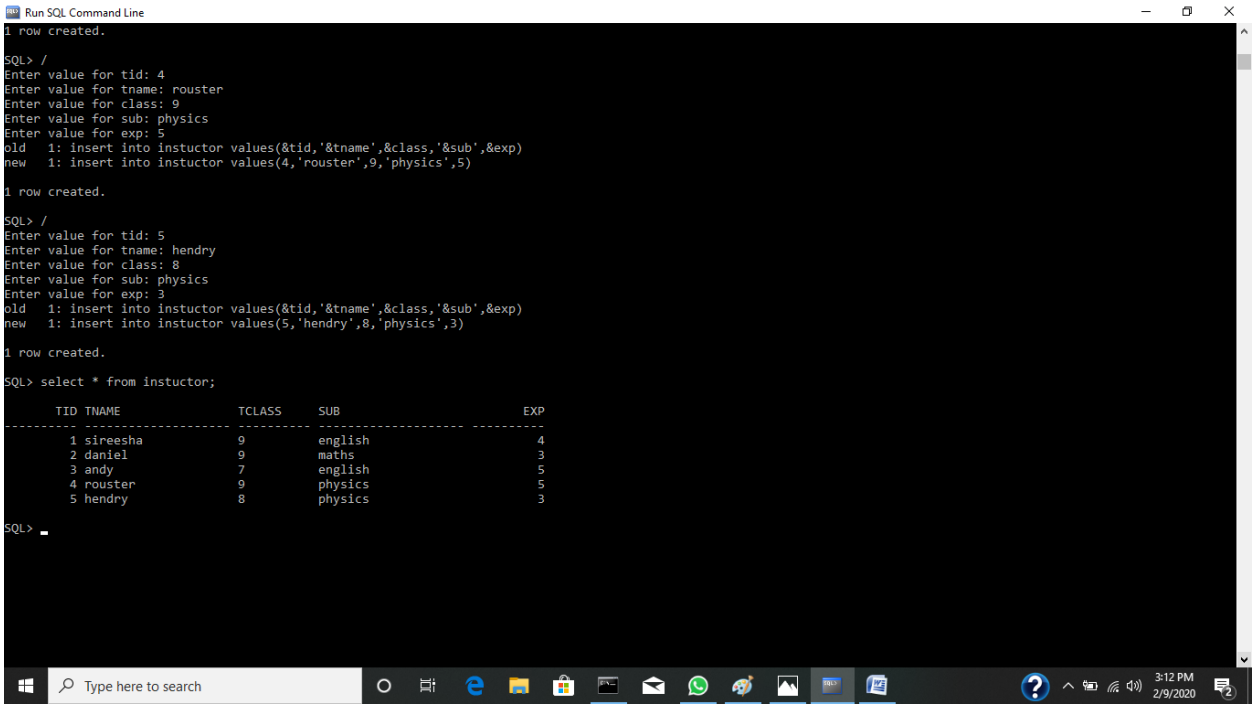

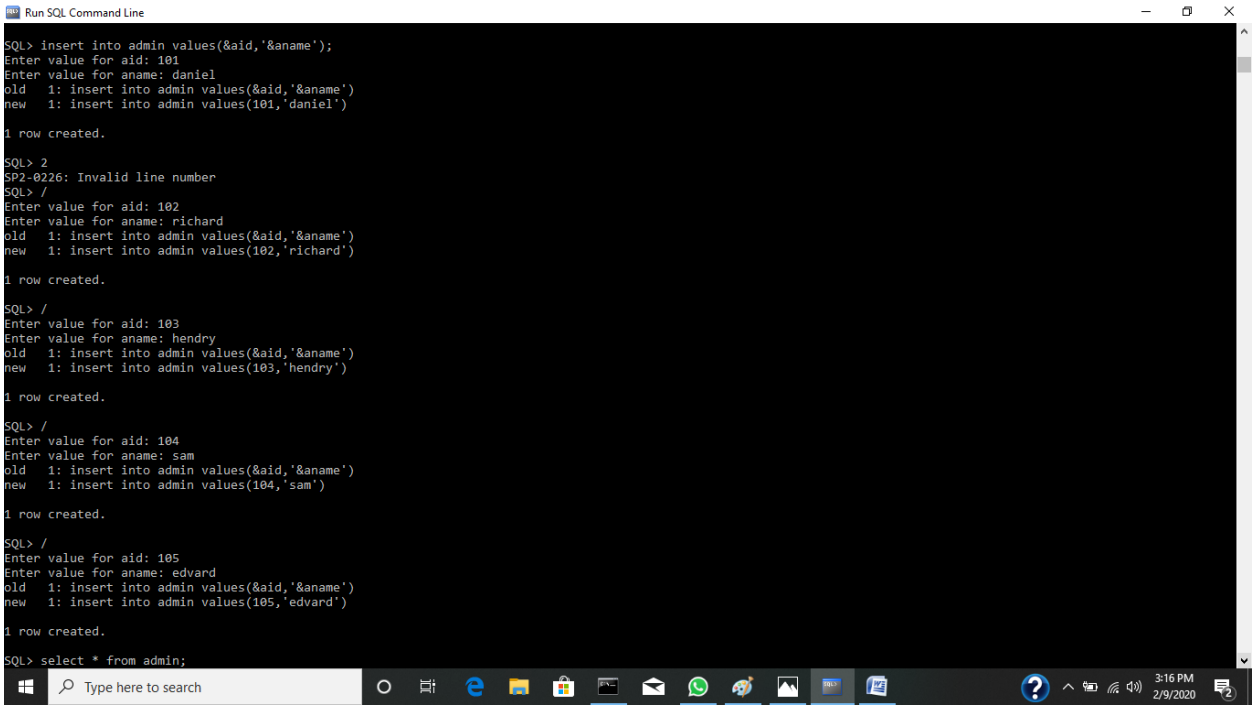

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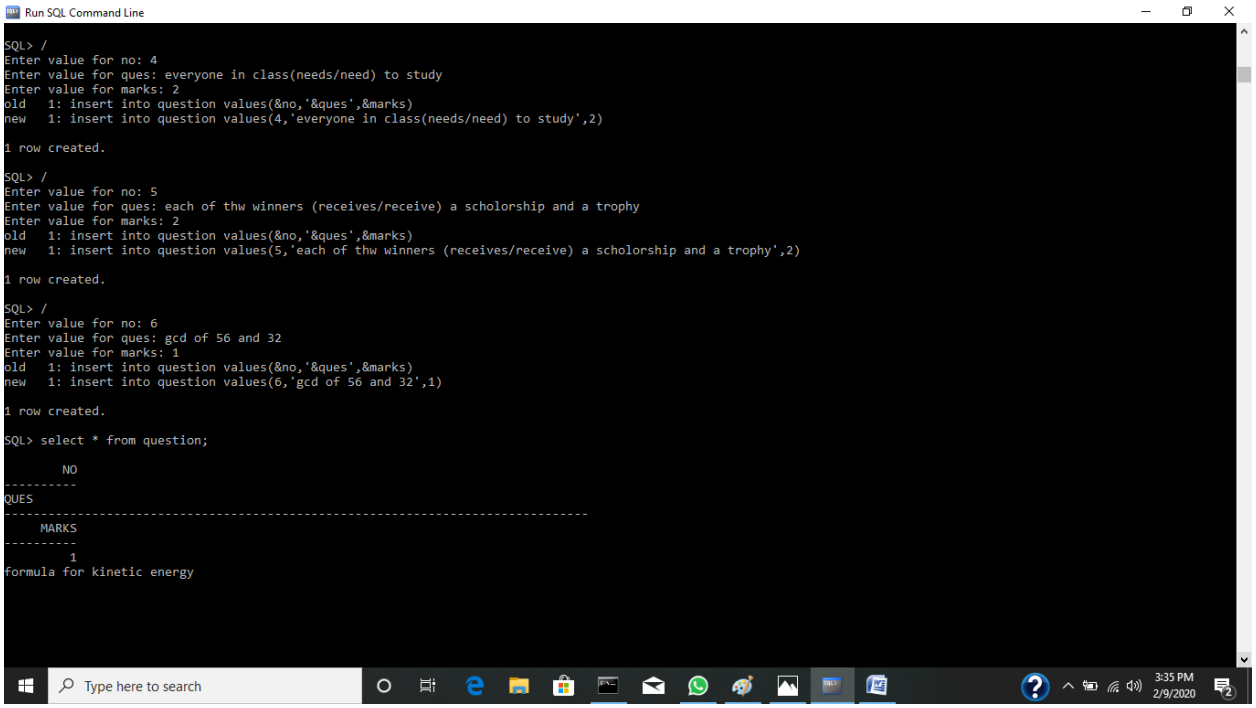

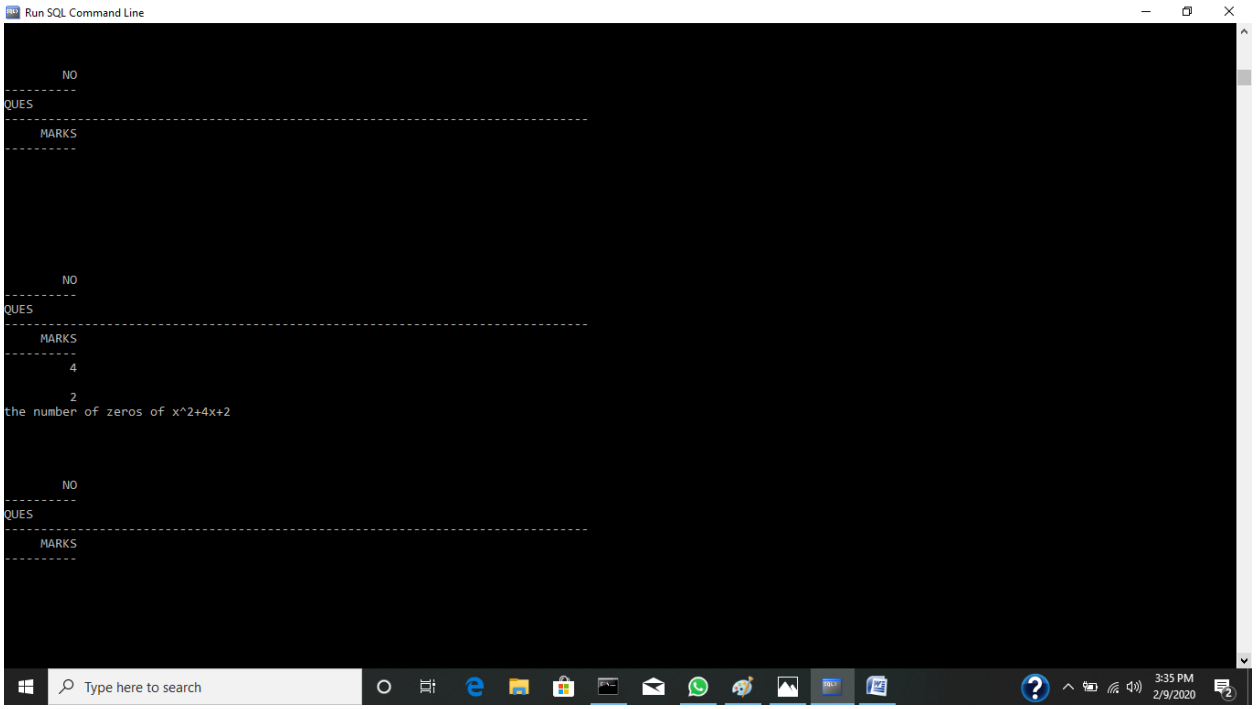

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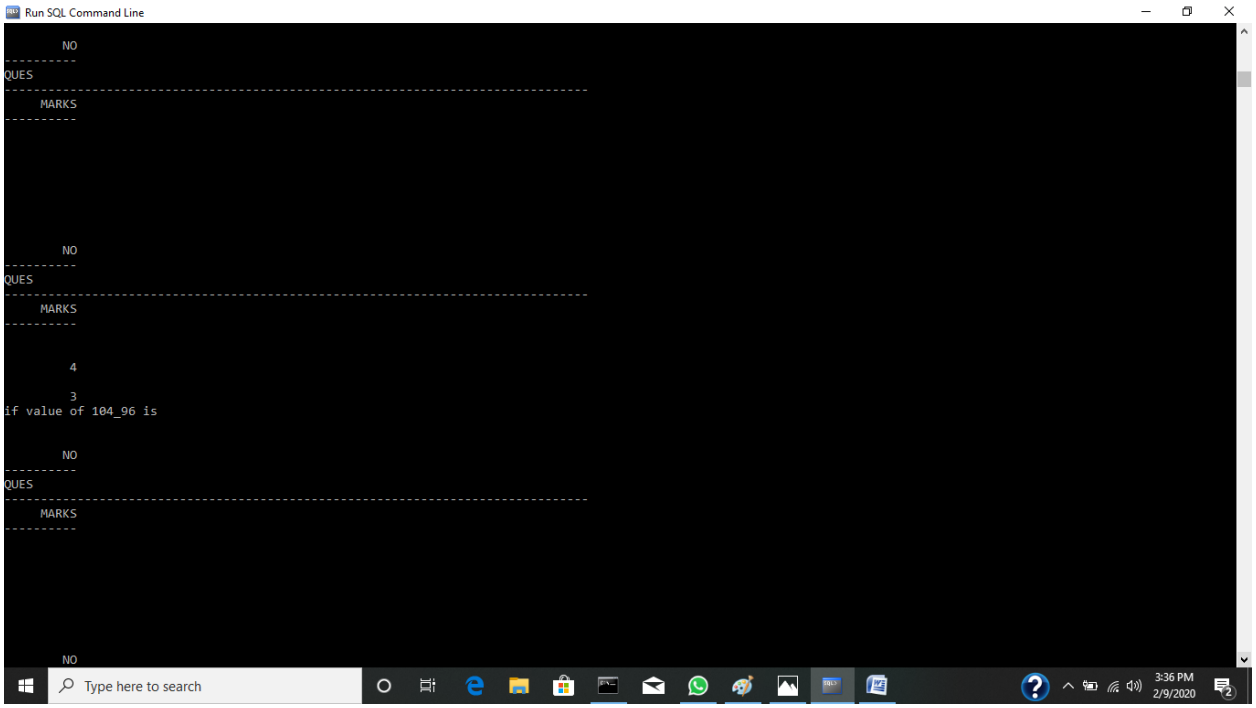

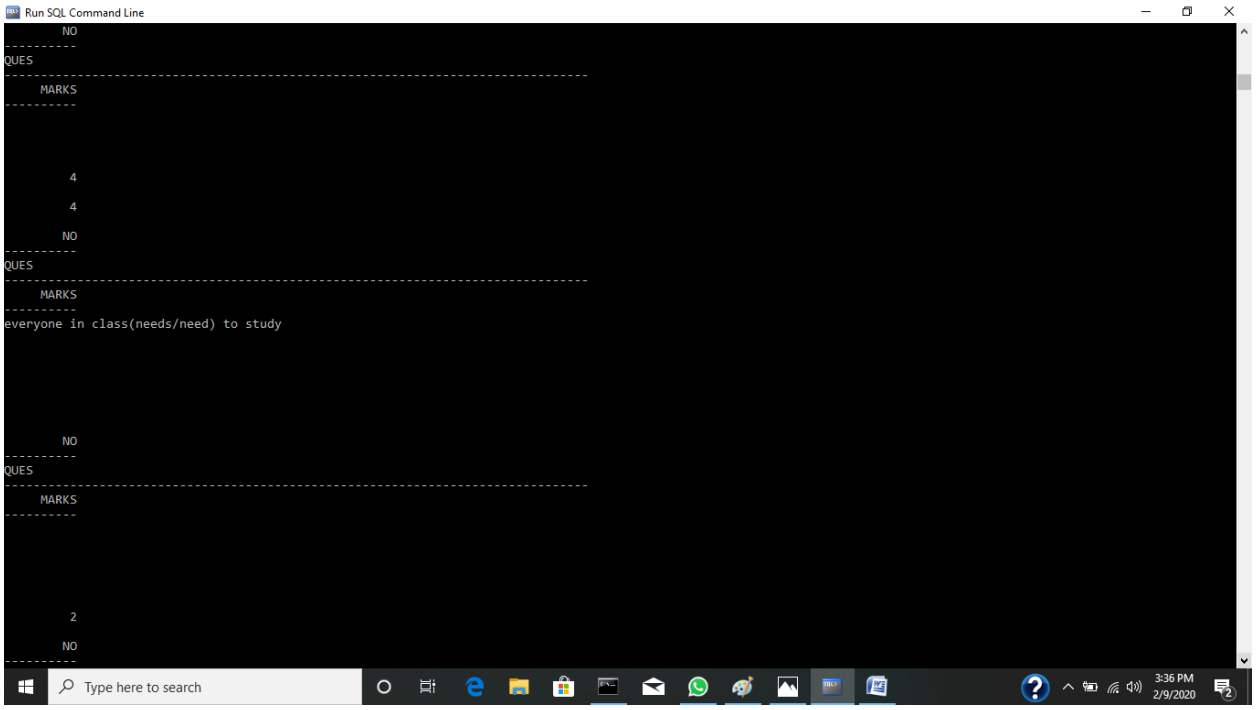

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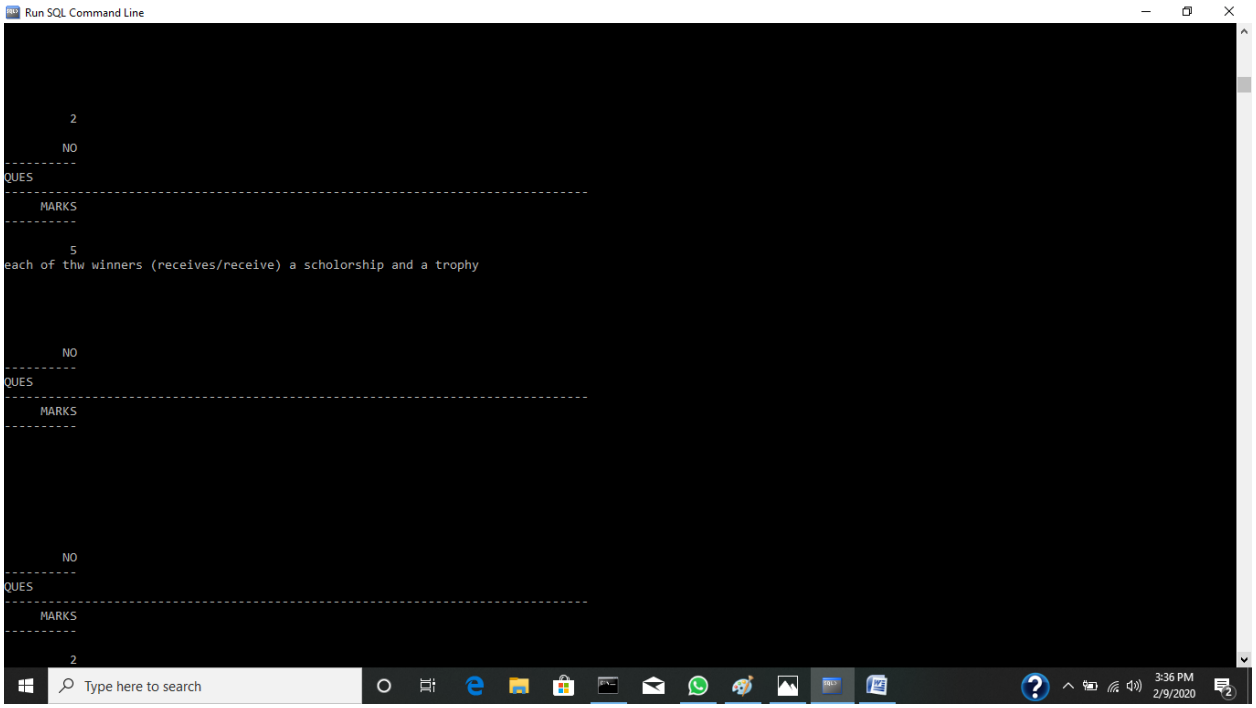

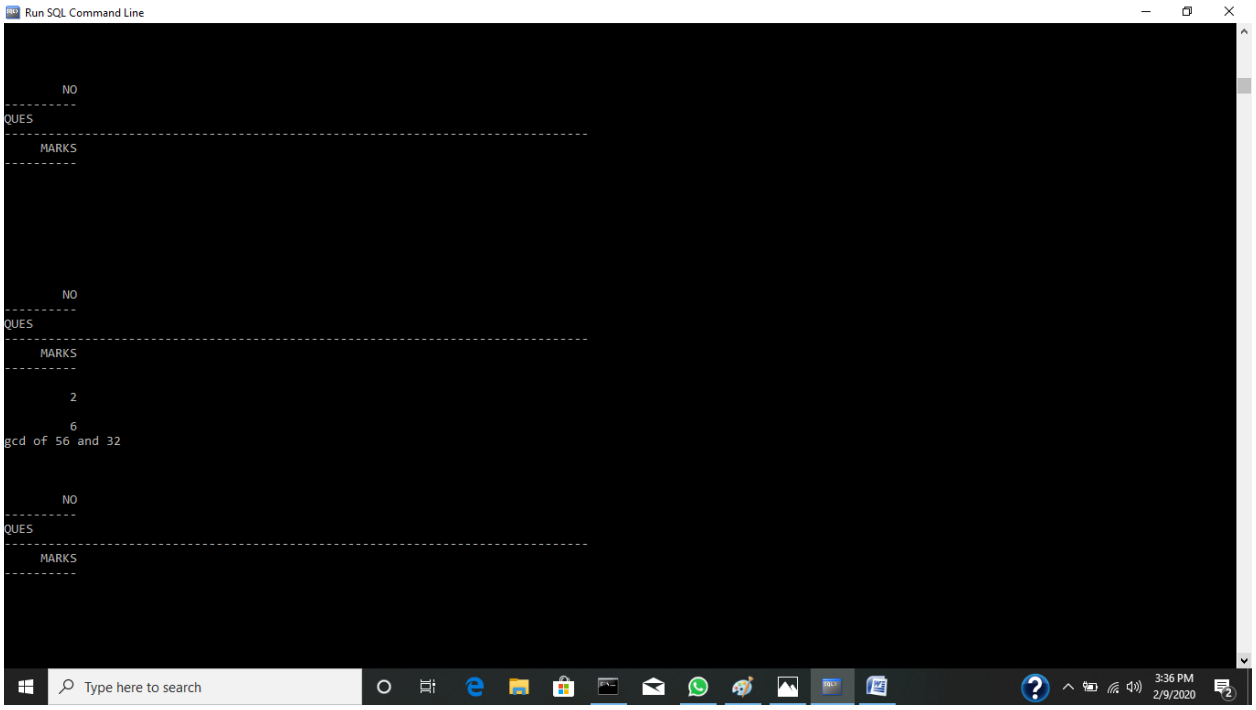

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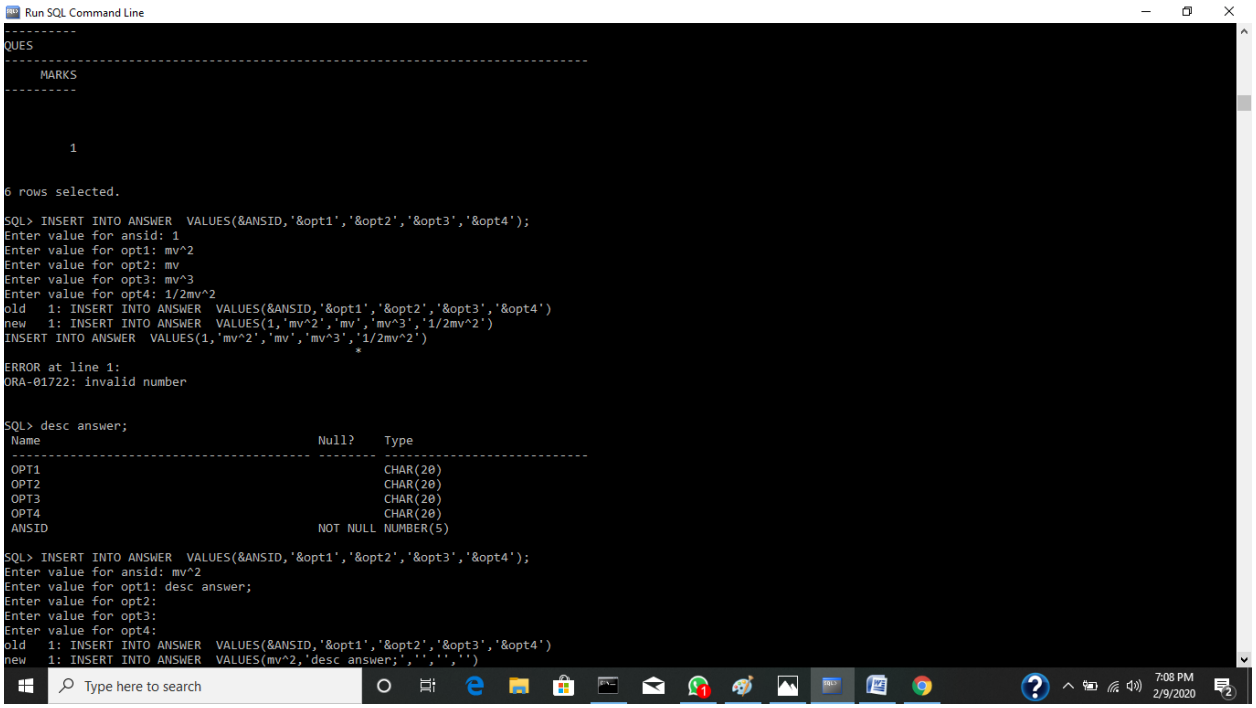

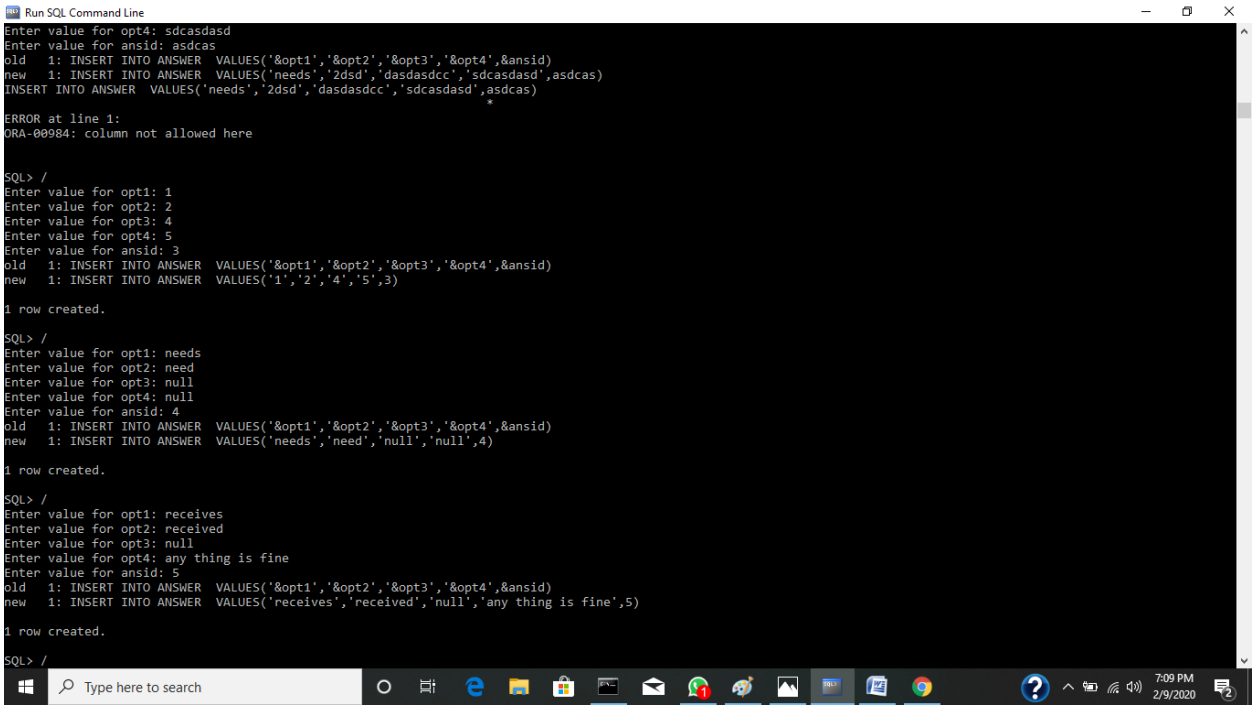

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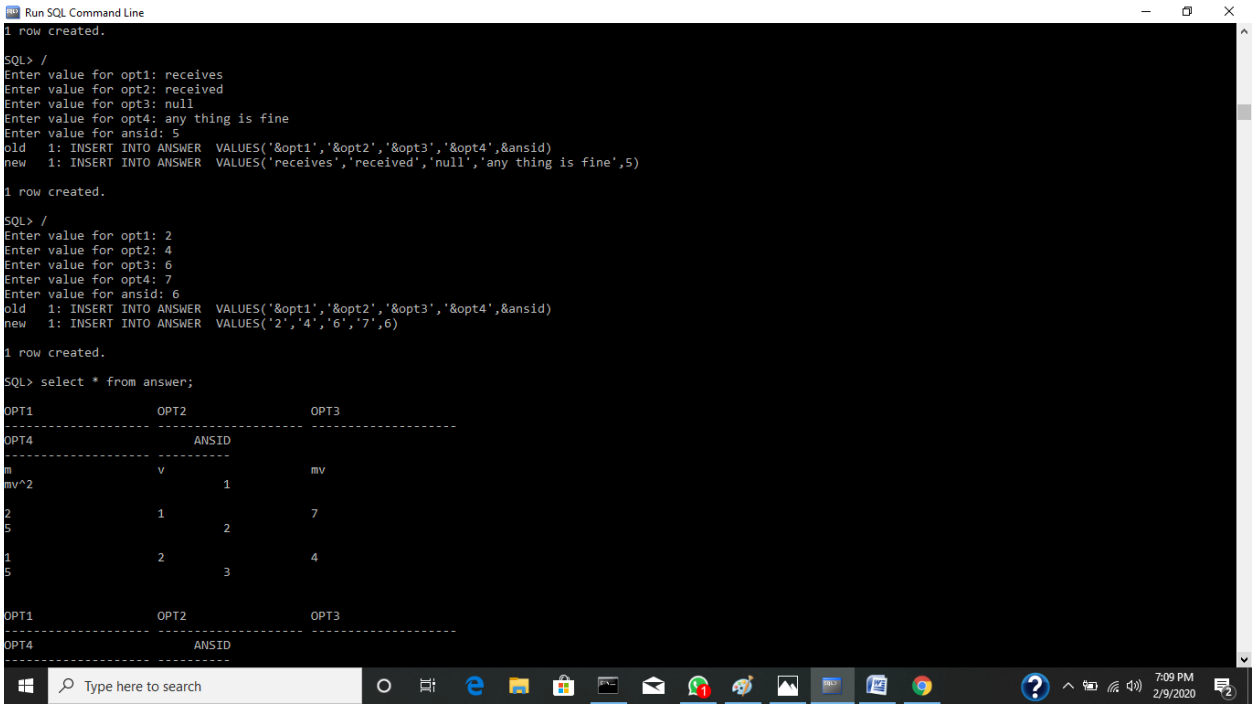

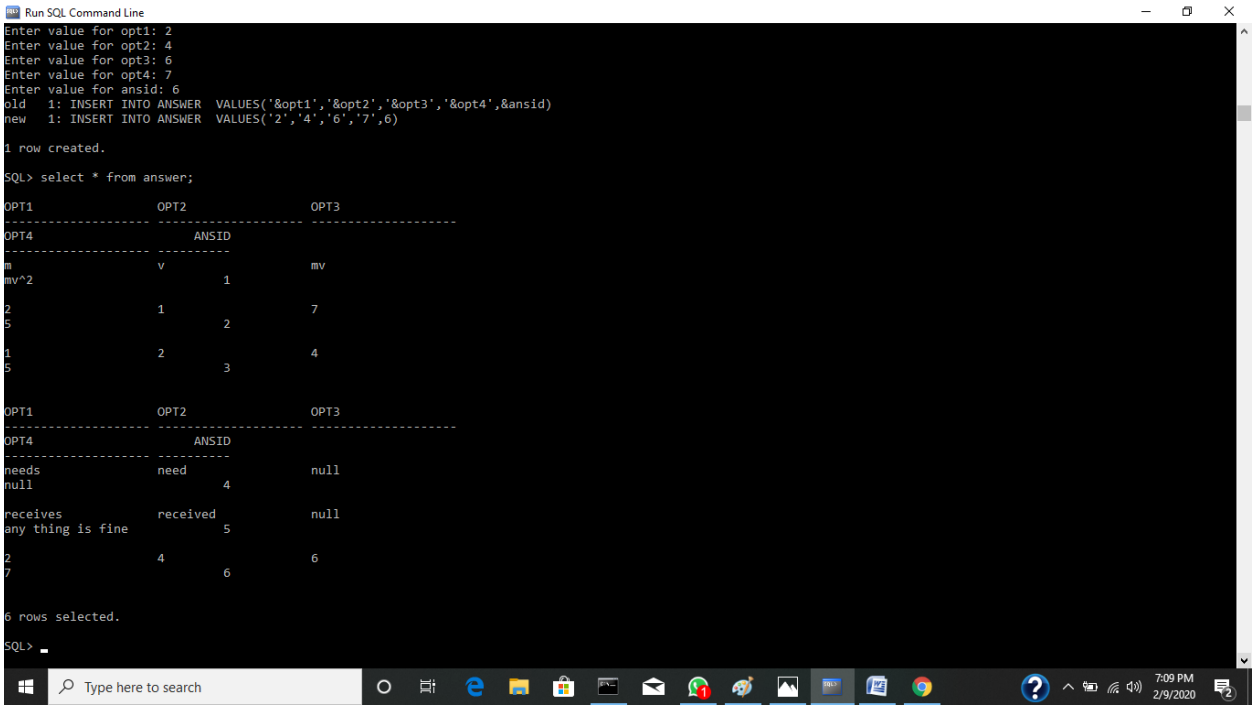

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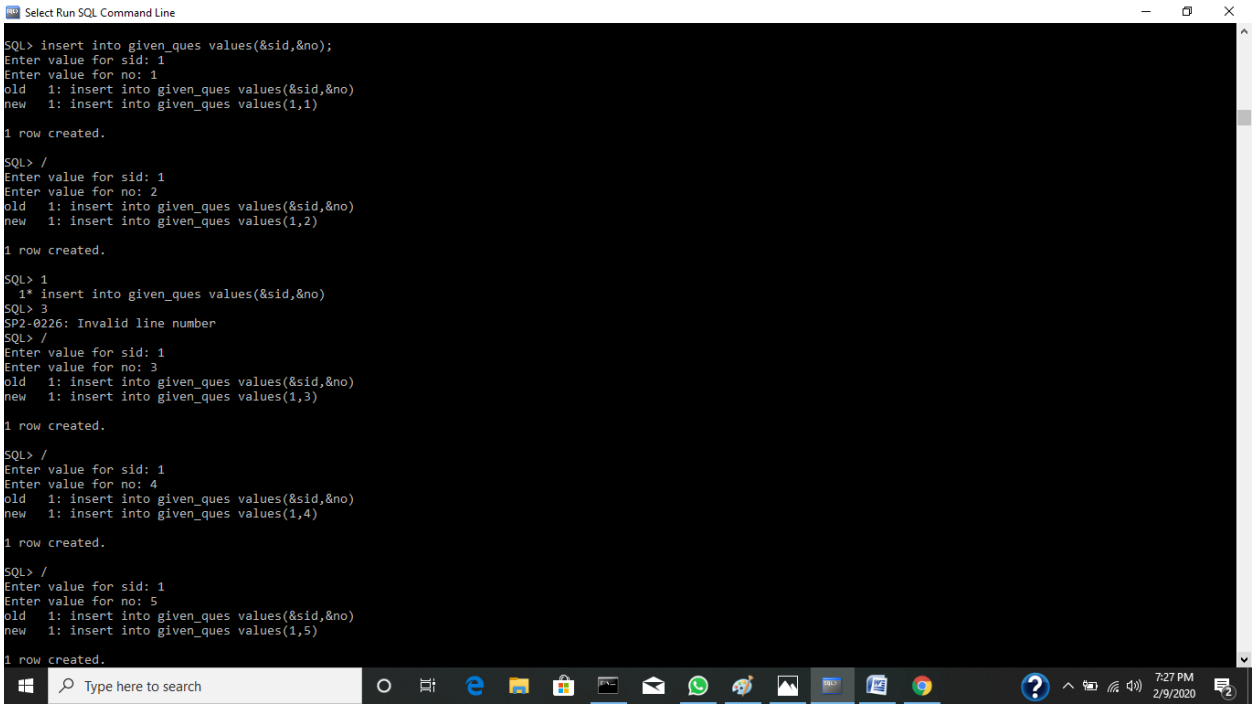

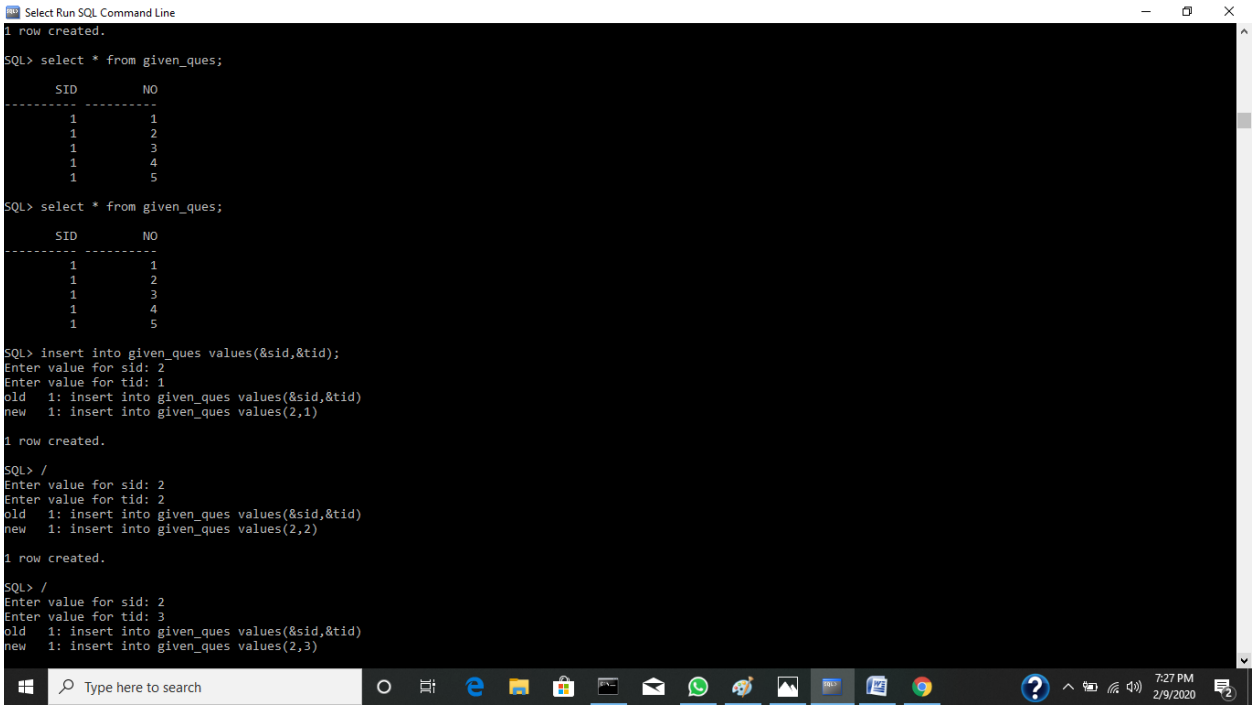

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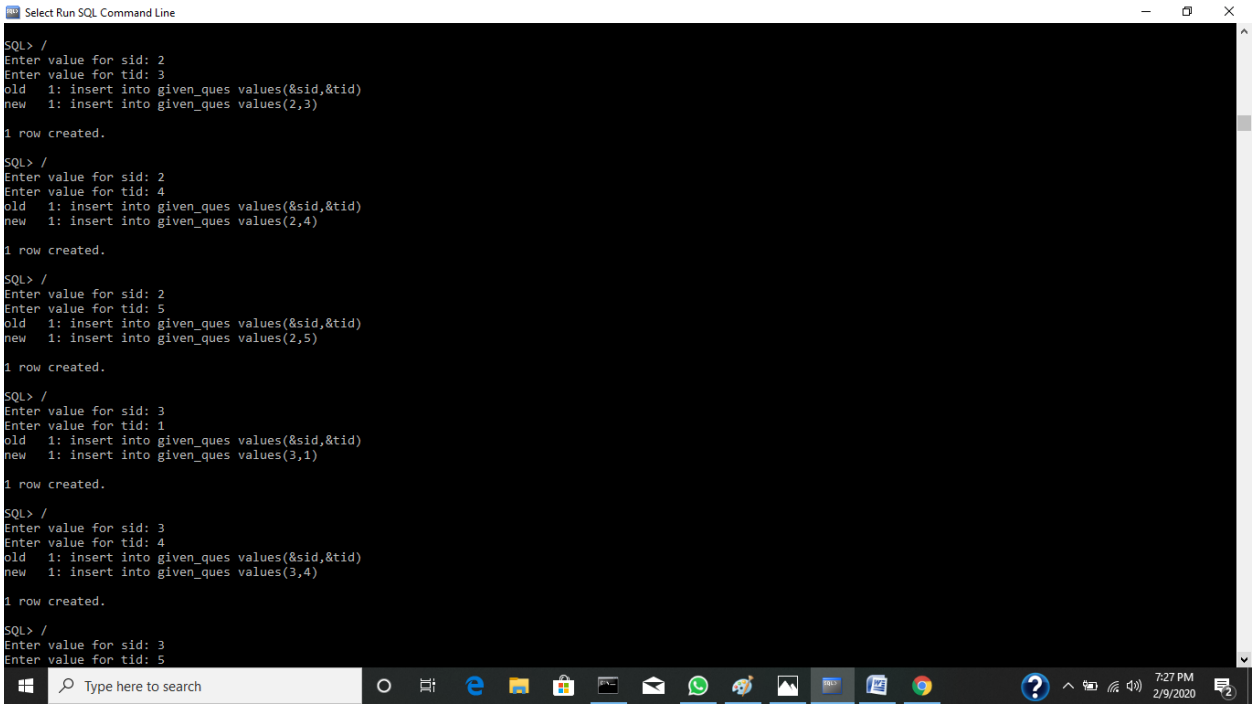

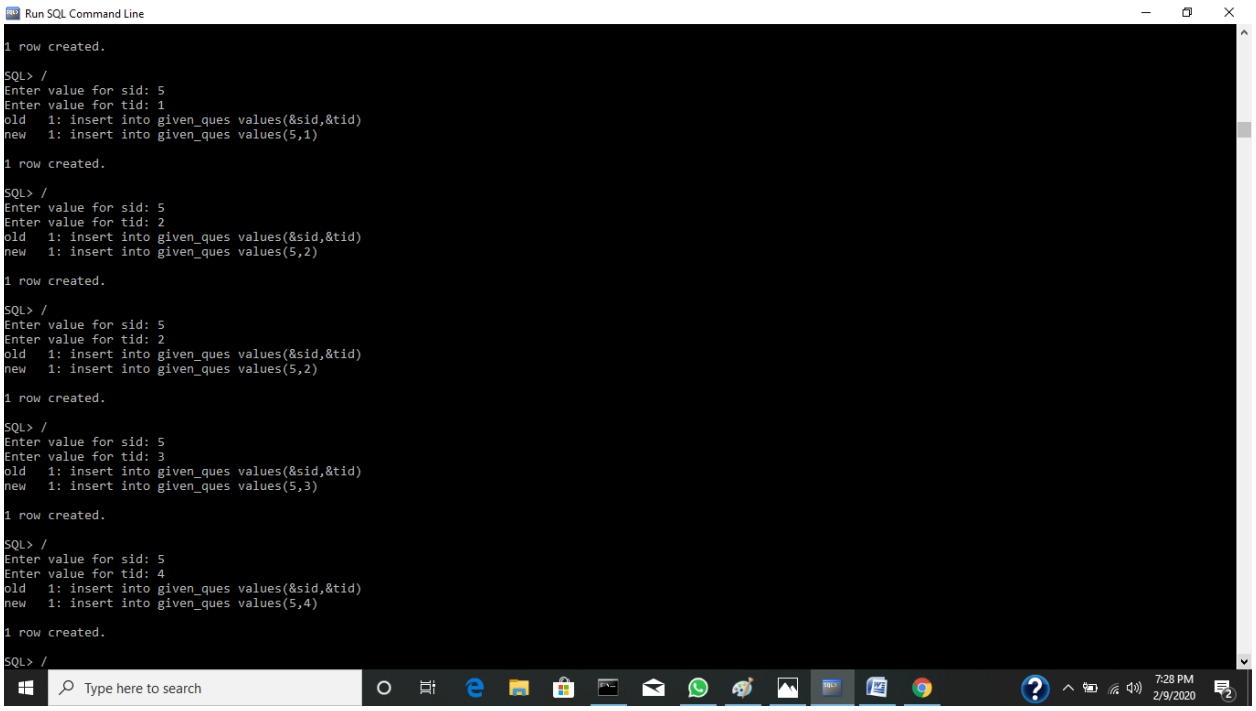

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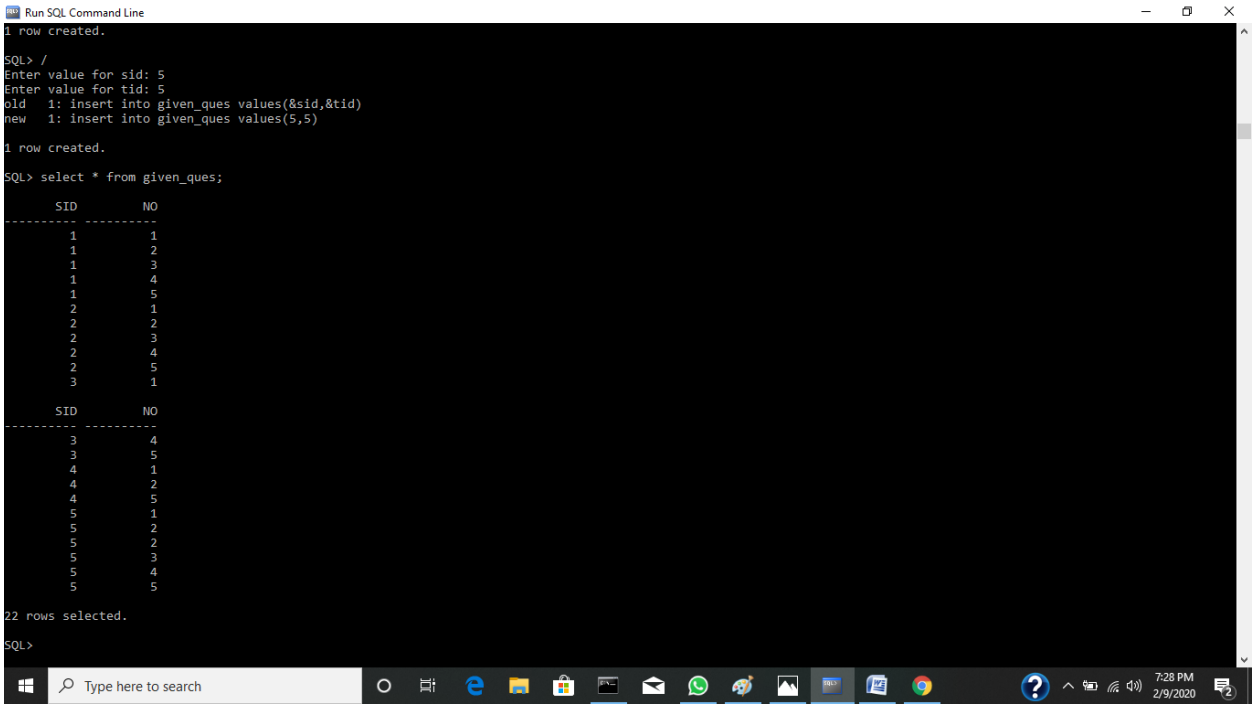

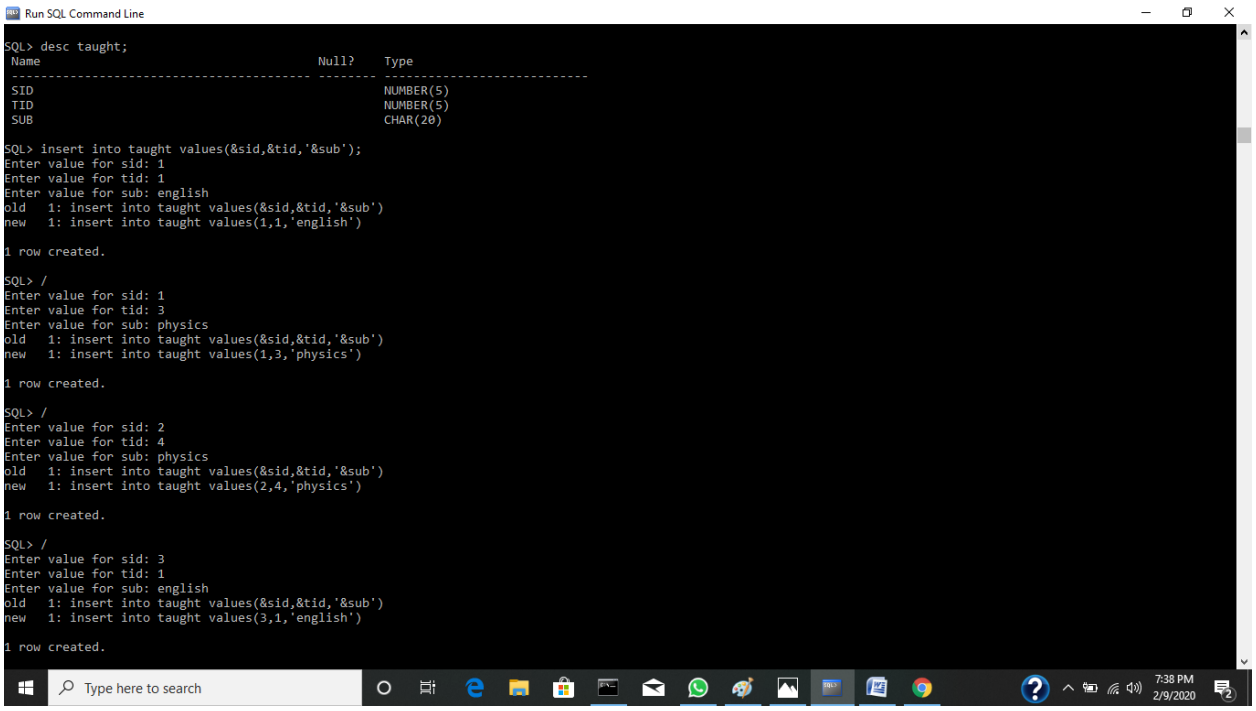

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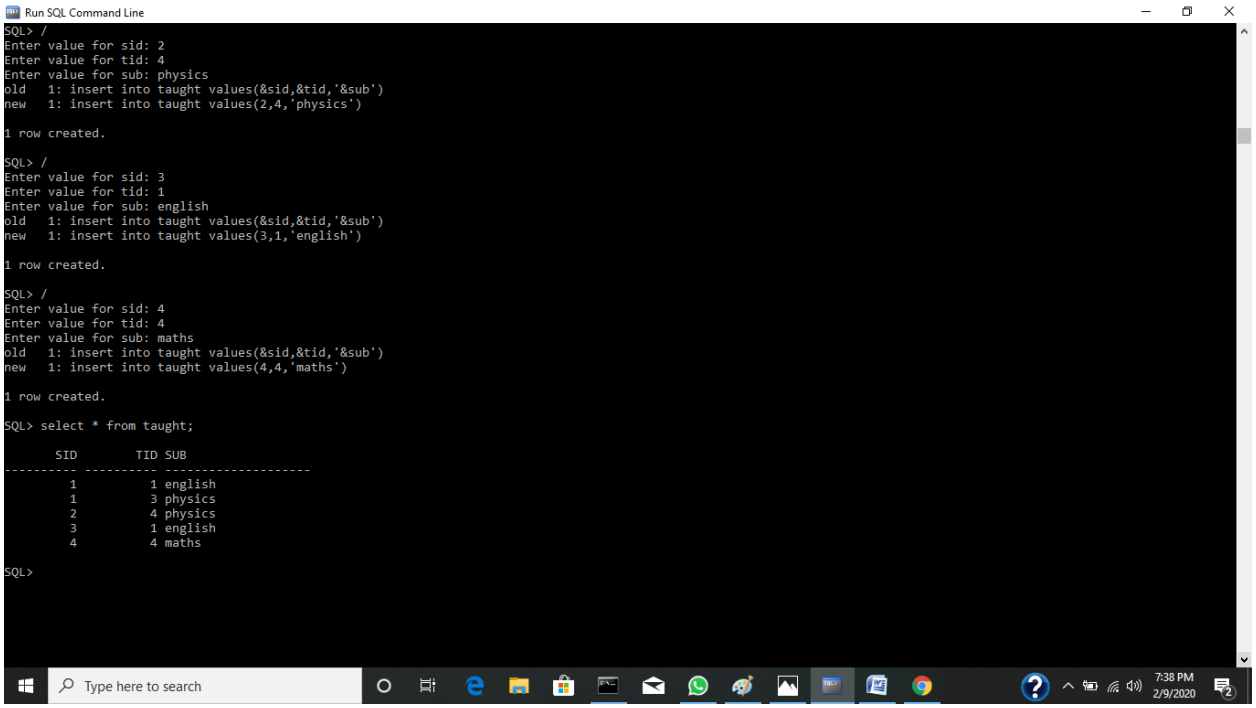

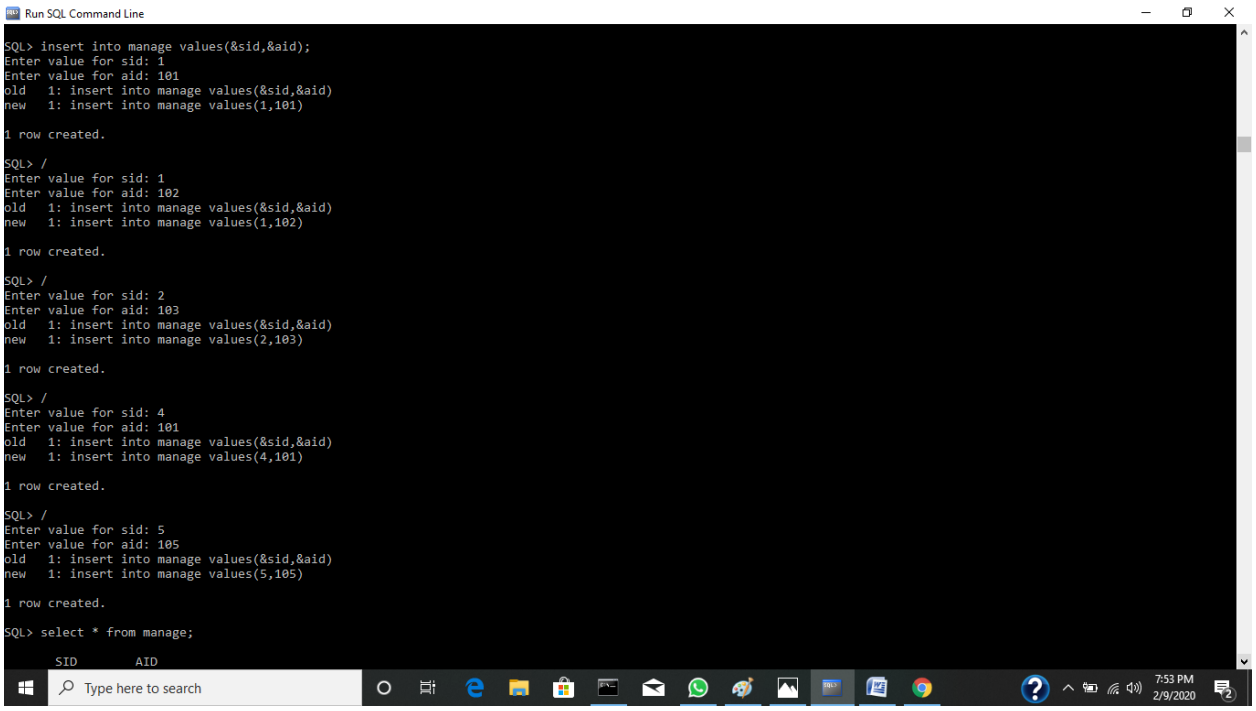

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