

DBMS ASSIGNMENT-1

Title: Online Assessment platform

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ABSTRACT:

This project ONLINE ADAPTIVE ASSESSMENT PLATFORM, As a continuous effort to improve and increase education system we implemented an online assessment server.its purpose is to ease the students examination process and to provide a transparent and object assessment.the application is developed using sql and javascript. Using administration module,one can add or remove questions,question categories,can create test and set parameters in it. And immediately after exam this gives all details like no.of questions correct,wrong, total no.of questions, attended questions.after that examine_cell will examine the test details and give us the unique rank of particular student.and total score,then results will be released and student will be assessed to particular category they belongs to .

Requirement analysis :

THE BASIC OBJECTIVE OF ONLINE ADAPTIVE SYSTEM IS TO ANALYSE THE CATEGORY OF STUDENTS TO WHICH THE BELONGS TO BASED ON TEST CONDUCTED.

THE DATA BASE CONTAINS 4 ENTITIES . THEY ARE

- 1.STUDENTS-WHICH CONTAINS STUDENT DETAILS FOR ENROLLMENT TO EXAM
- 2.TEST-WHICH CONTAINS EXAM DETAILS
- 3.EXAMINE_CELL-WHICH ASSESS THE MARKS OF STUDENTS
- 4.RESULTS-WHICH GIVES THE RESULT TO STUDENTS

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Roll No:1602-18-737-119

DBMS ASSIGNMENT-1

Title: Online Assessment platform

THE DATABASE CONSISTS OF 4 RELATIONSHIP SETS

THEY ARE:

REGISTERS:WHICH RESGISTER THE DETAILS

CHECKS : WHICH CHECKS THE TEST RESULT AND EXAMINES

GIVES:AFTER ASSESSMENT THIS GIVES THE

list of attributes with their domain types:

student_s:

sid: number(10)

sname: char(10)

email:varchar2(25)

phnnumber:number(10)

course:var(10)

test:

total_questions:number(10)

atemptted_questions:number(10)

correct_answers:number(10)

wrong_answer:

number(10)

tid:number(10)

examine_cell

sid:number

Name: Vyuha Kandula.

Roll No:1602-18-737-119

DBMS ASSIGNMENT-1

Title: Online Assessment platform

rank:number

total_score:number

medal_gained:char

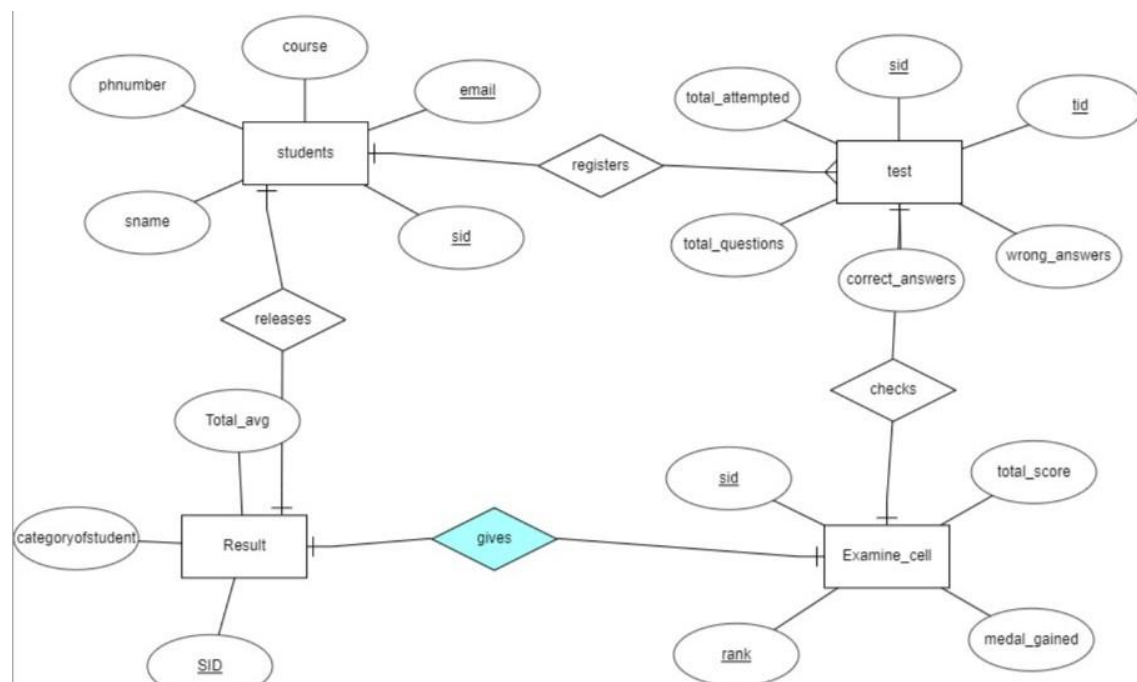
results:

total_avg:number

category of student:varchar

sid:number

ER DIAGRAM



MAPPING CARDINATES:

STUDENTS TO TEST :MANY TO ONE

TEST TO EXAMINE_CELL:ONE TO ONE

Name: Vyuha Kandula.

Roll No:1602-18-737-119

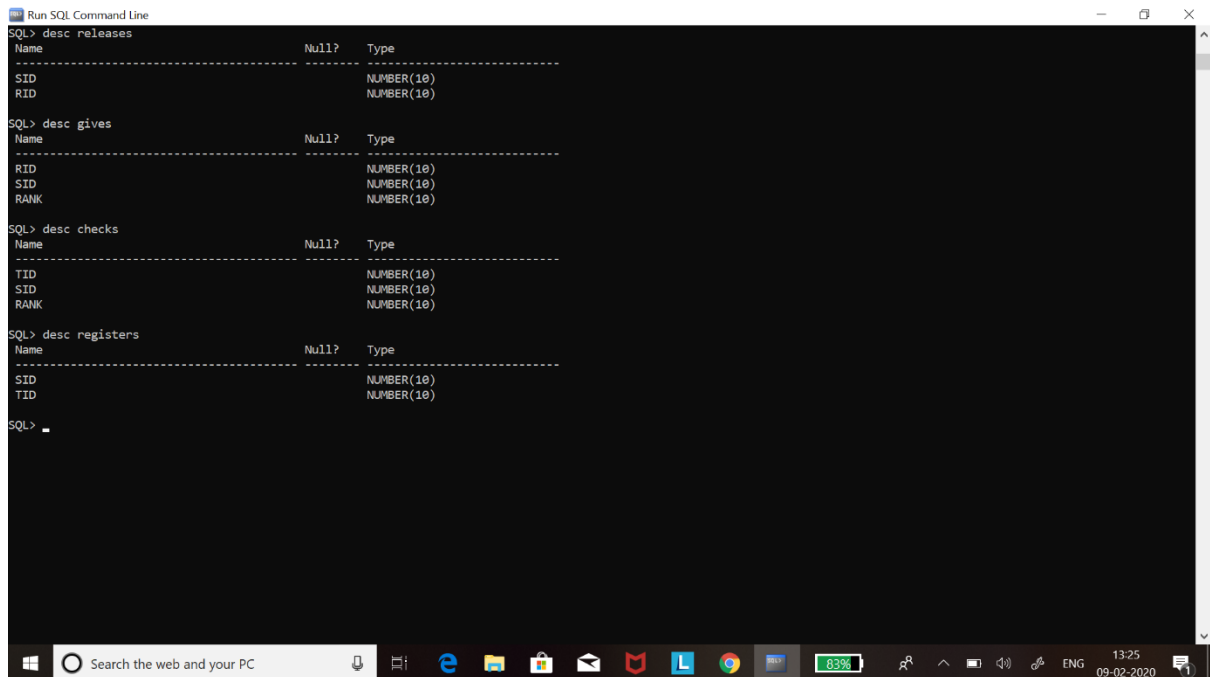
DBMS ASSIGNMENT-1

Title: Online Assessment platform

EXAMINE_CELL TO RESULT:ONE TO ONE

RESULT TO STUDENTS: ONE TO ONE

DDL COMMANDS:



```
Run SQL Command Line
SQL> desc releases
      Name                Null?    Type
-----
SID                        NUMBER(10)
RID                        NUMBER(10)

SQL> desc gives
      Name                Null?    Type
-----
RID                        NUMBER(10)
SID                        NUMBER(10)
RANK                       NUMBER(10)

SQL> desc checks
      Name                Null?    Type
-----
TID                        NUMBER(10)
SID                        NUMBER(10)
RANK                       NUMBER(10)

SQL> desc registers
      Name                Null?    Type
-----
SID                        NUMBER(10)
TID                        NUMBER(10)

SQL> _
```

RELEASES:AFTER COMPLETING ALL THE STEPS THIS GIVES THE FINAL RESULTS TO STUDENTS.

EXECUTION:

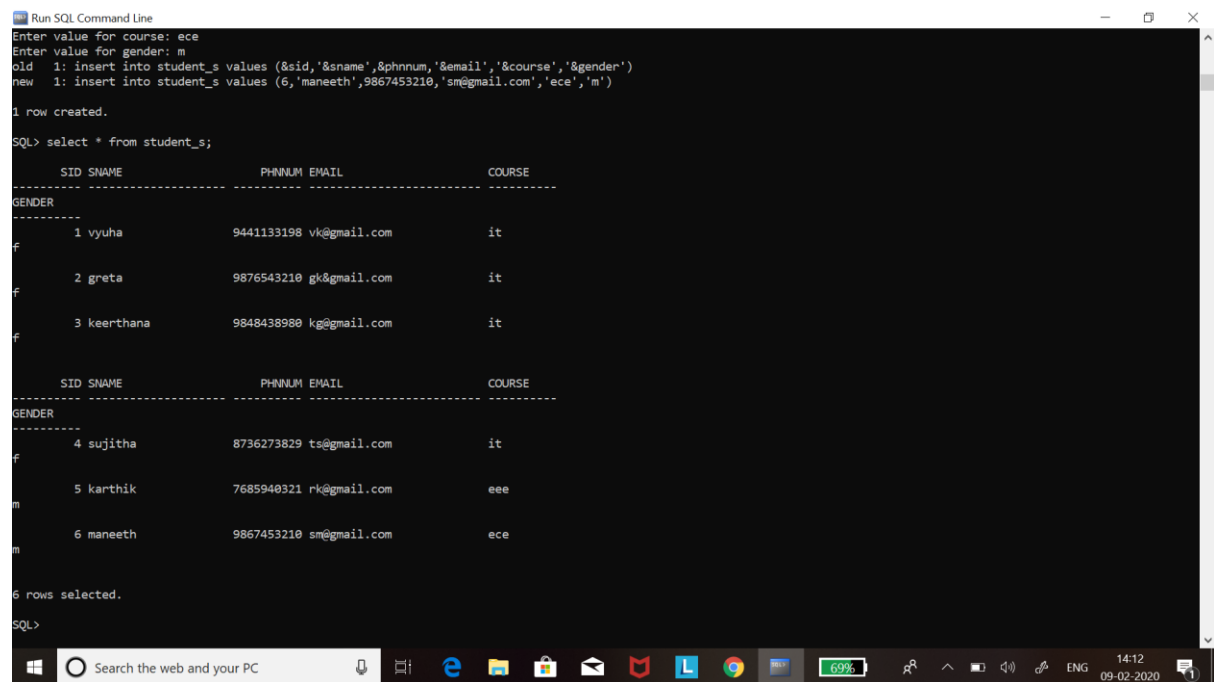
Name: Vyuha Kandula.

Roll No:1602-18-737-119

DBMS ASSIGNMENT-1

Title: Online Assessment platform

DML COMMANDS:



```
Run SQL Command Line
Enter value for course: ece
Enter value for gender: m
old 1: insert into student_s values (&sid,&sname,&phnum,&email,&course,&gender')
new 1: insert into student_s values (6,'maneeth',9867453210,'sm@gmail.com','ece','m')
1 row created.

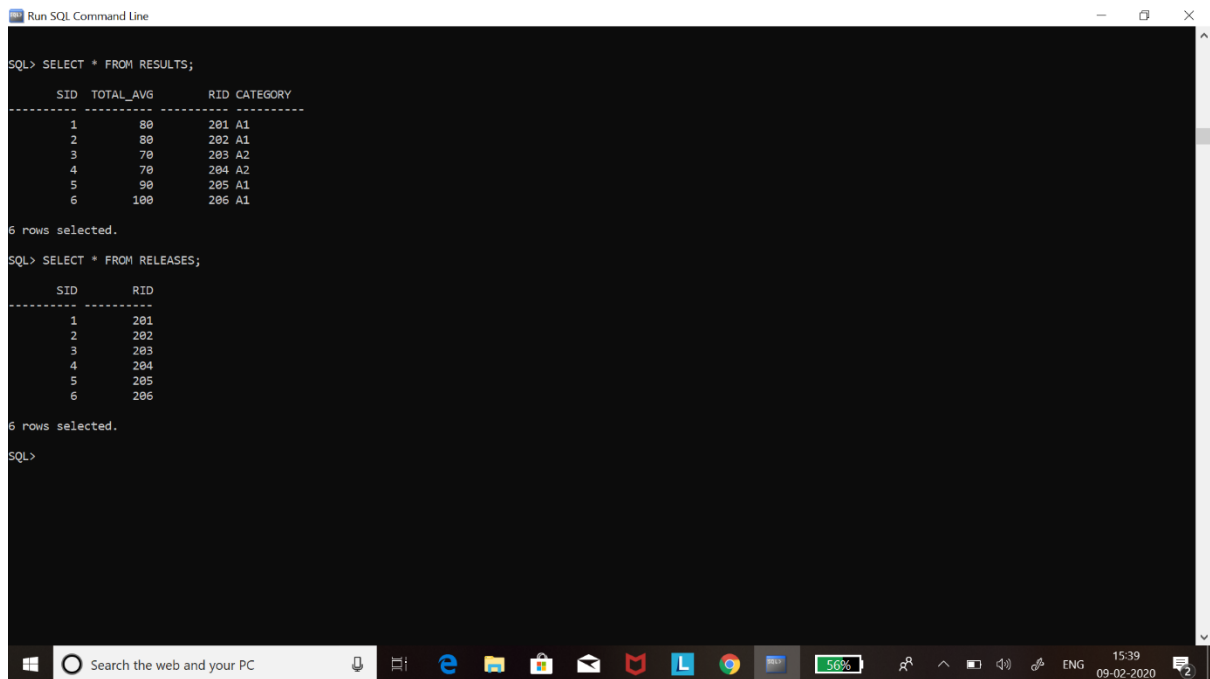
SQL> select * from student_s;

-----
SID SNAME          PHNUM EMAIL          COURSE
-----
1 vyuha            9441133198 vk@gmail.com        it
2 greta            9876543210 gk@gmail.com        it
3 keerthana        9848438980 kg@gmail.com        it
4 sujitha          8736273829 ts@gmail.com        it
5 karthik          7685940321 rk@gmail.com        eee
6 maneeth          9867453210 sm@gmail.com        ece
6 rows selected.

SQL>
```

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The screenshot shows a 'Run SQL Command Line' window with a black background and white text. It displays two SQL queries and their results. The first query is 'SELECT * FROM RESULTS;' and the second is 'SELECT * FROM RELEASES;'. Both queries returned 6 rows each. The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons. The system clock indicates 15:39 on 09-02-2020.

```
SQL> SELECT * FROM RESULTS;
```

SID	TOTAL_AVG	RID	CATEGORY
1	80	201	A1
2	80	202	A1
3	70	203	A2
4	70	204	A2
5	90	205	A1
6	100	206	A1

6 rows selected.

```
SQL> SELECT * FROM RELEASES;
```

SID	RID
1	201
2	202
3	203
4	204
5	205
6	206

6 rows selected.

```
SQL>
```

Name: Vyuha Kandula.

Roll No:1602-18-737-119

DBMS ASSIGNMENT-1

Title: Online Assessment platform

```
Run SQL Command Line
SQL> SELECT * FROM REGISTERS;

  SID      TID
  -----
1      101
2      102
3      103
4      104
5      105
6      106

6 rows selected.

SQL> SELECT * FROM TEST;

  SID  TOT_ATTEMPTED  TOT_QUEST  CRT_ANSWR  WRNG_ANSWR      TID
  -----
1      9             10           8           1      101
2     10             10           8           2      102
3     10             10           7           3      103
4      8             10           7           1      104
5      9             10           9           0      105
6     10             10           0           0      106

6 rows selected.

SQL> SELECT * FROM CHECKS;

  TID      SID      RANK
  -----
101      1          3
102      2          4
103      3          6
104      4          5
105      5          2
106      6          1

6 rows selected.

SQL>

5      9      10      9      0      105
6     10     10     10     0      106

6 rows selected.

SQL> SELECT * FROM CHECKS;

  TID      SID      RANK
  -----
101      1          3
102      2          4
103      3          6
104      4          5
105      5          2
106      6          1

6 rows selected.

SQL> SELECT * FROM EXAMINE_CELL;

  SID  TOTAL_SCORE  MEDAL_GAIN      RANK
  -----
1      8      gold          3
2      8      gold          4
3      7      silver         6
4      7      silver         5
5      9      gold          2
6     10     gold          1

6 rows selected.

SQL> SELECT * FROM GIVES;

  RID      SID      RANK
  -----
201      1          3
202      2          4
203      3          6
204      4          5
205      5          2
206      6          1
```

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