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Please ensure you have successfully completed the hands-on portion of the assignment prior to answering the questions below.

Have the Queries and their results handy while answering the questions.

NOTE: You only get 1 attempt to correctly answer the final assignment questions.

1. Which of the following is the correct SQL query for:

1 / 1 point

PROBLEM 1: Find the total number of crimes recorded in the Chicago crime table

- ☒ select count(*) from chicago_crime_data
- ☐ select count(chicago_crime_data) from database
- ☐ select count(*) from database
- ☐ select count(*) from chicago_public_schools

Correct

2. Which of the following is the correct SQL query for:

1 / 1 point

PROBLEM 2: Retrieve the first 10 rows from the CRIME table

- ☐ select limit(10) from chicago_crime_data
- ☐ select count(10) chicago_crime_data
- ☒ select * from chicago_crime_data limit 10
- ☐ select the first 10 rows from chicago_crime_data

Correct

3. Which of the following is the correct result value for the SQL query for:

1 / 1 point

PROBLEM 3: How many crimes involve an arrest

- ☐ 16
- ☐ 165
- ☒ 163
- ☐ 0

Correct

4. Given the subset of the Chicago crime dataset provided in the course, what are the correct values in the result set for:

1 / 1 point

PROBLEM 4: Which unique types of crimes have been recorded at GAS STATION locations?

- ☐ CRIMINAL TRESPASS, MOTOR VEHICLE THEFT, ROBBERY, THEFT
- ☐ ROBBERY, WEAPONS VIOLATION, THEFT
- ☒ CRIMINAL TRESPASS, NARCOTICS, ROBBERY, THEFT
- ☐ BURGLARY, CRIMINAL TRESPASS, ROBBERY, THEFT

Correct

5. Which of the following is the correct SQL query for:

1 / 1 point

PROBLEM 5: In the CENSUS_DATA table list all Community Areas whose names start with the letter 'B':

- ☐ select community_area_name from CENSUS_DATA where community_area_name like 'B''
- ☒ select community_area_name from CENSUS_DATA where community_area_name like 'B%'
- ☐ select community_area_name from CENSUS_DATA where community_area like 'B%'
- ☐ select community_area from CENSUS_DATA where community_area like 'B''

Correct

6. Which of the following is (are) the correct SQL query for:

1 / 1 point

PROBLEM 6: Which schools in Community Areas 10 to 15 are healthy school certified?

- ☐ select name_of_school from CHICAGO_PUBLIC_SCHOOLS where HEALTHY_SCHOOL_CERTIFIED = 'Yes' and Community_Area_Number > 10 AND < 15
- ☒ select name_of_school from CHICAGO_PUBLIC_SCHOOLS where Healthy_School_Certified = 'Yes' and Community_Area_Number BETWEEN 10 AND 15
- ☐ select name_of_school from CHICAGO_PUBLIC_SCHOOLS where HEALTHY_SCHOOL_CERTIFIED = "Yes" and Community_Area_Number BETWEEN 10 AND 15
- ☐ select name_of_school from CHICAGO_PUBLIC_SCHOOLS where "Healthy_School_Certified" = 'Yes' and Community_Area_Number BETWEEN 10 AND 15

Correct

7. Which of the following is the correct SQL query [and result value] for:

1 / 1 point

PROBLEM 7: What is the average school Safety Score?

- ☐ select avg(Safety_Score) from chicago_public_schools [Result: 50.504873]
- ☒ select avg(SAFETY_SCORE) from chicago_public_schools [Result: 49.504873]
- ☐ select AVG("Safety_Score") from chicago_public_schools [Result: 49.504873]
- ☐ select AVERAGE(safety_score) from chicago_public_schools [Result: 50.504873]

Correct

8. Which of the following is the correct SQL query for:

1 / 1 point

PROBLEM 8: List the top 5 Community Areas by average College Enrollment [number of students]

- ☒ select Community_Area_Name, AVG(College_Enrollment) as AVG_ENROLLMENT from CHICAGO_PUBLIC_SCHOOLS group by Community_Area_Name order by AVG_ENROLLMENT desc limit 5
- ☐ select "Community_Area_Name", AVG(COLLEGE_ENROLLMENT) as AVG_ENROLLMENT from CHICAGO_PUBLIC_SCHOOLS order by "Community_Area_Name" desc limit 5 group by AVG_ENROLLMENT
- ☐ select Community_Area_Name, AVG(COLLEGE_ENROLLMENT) as AVG_ENROLLMENT from CHICAGO_PUBLIC_SCHOOLS order by COMMUNITY_AREA_NAME group by AVG_ENROLLMENT desc limit 5
- ☐ select COMMUNITY_AREA_NAME, AVG(COLLEGE_ENROLLMENT) as AVG_ENROLLMENT from CHICAGO_PUBLIC_SCHOOLS order by COMMUNITY_AREA_NAME group by AVG_ENROLLMENT limit 5

Correct

9. Which of the following is the correct SQL query for:

1 / 1 point

PROBLEM 9: Use a sub-query to determine which Community Area has the least value for school Safety Score?

- ☒ select COMMUNITY_AREA_NAME, SAFETY_SCORE from chicago_public_schools where SAFETY_SCORE = (select MIN(SAFETY_SCORE) from chicago_public_schools)
- ☐ select COMMUNITY_AREA, "Safety_Score" from chicago_public_schools where "Safety_Score" = (select MIN("Safety_Score") from chicago_public_schools)
- ☐ select COMMUNITY_AREA_NAME, SAFETY_SCORE from chicago_public_schools where SAFETY_SCORE = MIN(SAFETY_SCORE) from chicago_public_schools)
- ☐ select COMMUNITY_AREA_NAME, MIN(SAFETY_SCORE) from chicago_public_schools from chicago_public_schools

Correct

10. Which of the following statement(s) is/are the correct SQL query for:

1 / 1 point

PROBLEM 10: [Without using an explicit JOIN operator] Find the Per Capita Income of the Community Area which has a school Safety Score of 1.

- ☐ A. select community_area_number, community_area_name, per_capita_income from census_data where community_area_number = (select community_area_number from chicago_public_schools where safety_score =1)
- ☐ B. select CD.community_area_number, CD.community_area_name, CD.per_capita_income from census_data CD, chicago_public_schools CPS where CD.community_area_number=CPS.community_area_number and CPS.safety_score = 1
- ☒ Both Options A and B are correct
- ☐ Neither option A or B is correct

Correct