CIS 182 – SQL Fundamentals – Winter 2024

W8 Exercises: Data Types

(For the due date, please refer to this lab’s posting on Canvas)

To test whether a table has been modified correctly as you do these exercises, you can write and run an appropriate SELECT statement.

Exercises

1. Write a SELECT statement that returns these columns from the Instructors table:

* The monthly salary (the AnnualSalary column divided by 12)
* A column that uses the CAST function to return the monthly salary with 1 digit to the right of the decimal point
* A column that uses the CONVERT function to return the monthly salary as an integer
* A column that uses the CAST function to return the monthly salary as an integer

Please copy your SQL statement as text and paste it in the box below

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| --- |
| *SQL text* |

Please paste a screenshot of the result of your query in the box below.

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| *Result screenshot* |

1. Write a SELECT statement that returns these columns from the Students table:

* The EnrollmentDate column
* A column that uses the CAST function to return the EnrollmentDate column with its date only (year, month, and day)
* A column that uses the CAST function to return the EnrollmentDate column with its full time only (hour, minutes, seconds, and milliseconds)
* A column that uses the CAST function to return the EnrollmentDate column with just the year and month

Please copy your SQL statement as text and paste it in the box below

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| *SQL text* |

Please paste a screenshot of the result of your query in the box below.

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| *Result screenshot* |

1. Write a SELECT statement that returns these columns from the Students table:

* A column that uses the CONVERT function to return the EnrollmentDate column in this format: MM/DD/YYYY. In other words, use 2-digit months and days and a 4-digit year, and separate each date component with slashes.
* A column that uses the CONVERT function to return the EnrollmentDate column with the date, and the hours and minutes on a 12-hour clock with an am/pm indicator.
* A column that uses the CONVERT function to return the EnrollmentDate column with just the time in a 24-hour format, including the milliseconds.
* A column that uses the CONVERT function to return the EnrollmentDate column with just the month and day.

Please copy your SQL statement as text and paste it in the box below

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| --- |
| *SQL text* |

Please paste a screenshot of the result of your query in the box below.

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| *Result screenshot* |