CS4350 Database Systems Fall 2023. Quiz#3

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Given the following two tables:

AvailableSlots= ( Date, Time) , where the Time assumes the values 8, 9, ..12, 13, 14….24

EmployeesSchedule = ( EmployeeID, EmployeeName, Date, Time) which includes unavailable time slots for each employee.

Write a SQL statement that lists EmployeeID, EmployeeName , available Date , and Time

SELECT ES.EmployeeID, ES.EmployeeName, AvS.Date, AvS.Time

FROM EmployeeSchedule ES

JOIN AvailableSlots AvS ON ES.Date = AvS.Date AND ES.Time = AvS.Time

WHERE AvS.Date AND AvS.Time NOT IN (

SELECT ES1.Date, ES1.Time

FROM EmployeeSchedule ES

);

\*\*\*Explanation: Display the EmployeeID, EmployeeName, available Date, and Time by joining the two tables and display slots that is not listed in the EmployeeSchedule table which are marked as busy. Therefore, whatever is not busy, will be available.