1. For each row in a table [JobInterview] select the interviewer's previous and next interview start times.

(c) SELECT

JI.InterviewID,

VacancyName,

CandidateFullName,

InterviewerFullName,

StartTimeOfInterview,

LAG (StartTimeOfInterview) OVER (PARTITION BY JI.InterviewerID ORDER BY

StartTimeOfInterview) AS PreviousInteviewStartTime,

LEAD (StartTimeOfInterview) OVER (PARTITION BY JI.InterviewerID ORDER BY

StartTimeOfInterview) AS NextInteviewStartTime

FROM [JobInterview] AS JI

INNER JOIN [Interviewer] AS I

ON JI.InterviewerID = I.InterviewerID

INNER JOIN [Candidate] AS C

ON JI.CandidateID = C.CandidateID

INNER JOIN [Vacancy] AS V

ON JI.VacancyID = V.VacancyID

2. Remove duplicates from the candidate table [Candidate]. The uniqueness of a candidate is determined by the [CandidateEmailAddress] value.

(b)

WITH CTE AS (

SELECT

CandidateID,

CandidateFullName,

CandidateEmailAddress,

ROW\_NUMBER() OVER(PARTITION BY CandidateEmailAddress ORDER BY

CandidateEmailAddress) AS RowNumber

FROM [dbo].[Candidate])

DELETE CTE

WHERE RowNumber > 1

3. Display full names that exist both in the [Candidate] table and in the [Interviewer] table

(c) SELECT CandidateFullName

FROM [Candidate]

INTERSECT

SELECT InterviewerFullName

FROM [Interviewer]

4. Display the queue number for each candidate within the day and interviewer

(d) SELECT

JI.StartTimeOfInterview,

I.InterviewerFullName,

C.CandidateFullName,

DENSE\_RANK() OVER(PARTITION BY JI.InterviewerID,CAST(JI.StartTimeOfInterview AS DATE)

ORDER BY JI.StartTimeOfInterview) AS CandidateQueueNumber

FROM [JobInterview] AS JI

INNER JOIN [Interviewer] AS I

ON JI.InterviewerID = i.InterviewerID

INNER JOIN [Candidate] AS C

ON JI.CandidateID = C.CandidateID

ORDER BY

JI.StartTimeOfInterview