**QUESTION:** Write a SQL query - remove duplicates from a table without the using temporary table/s

1. Create Students table

Create Table Students

(

ID int,

FirstName nvarchar(50),

LastName nvarchar (50),

Gender nvarchar (50),

Department nvarchar (50)

)

GO

1. Insert values into the students table

Insert into Students values (1,’John’,’Mathew’,’Male’, ‘Computer Science’)

Insert into Students values (1,’John’,’Mathew’,’Male’, ‘Computer Science’)

Insert into Students values (1,’John’,’Mathew’,’Male’, ‘Computer Science’)

Insert into Students values (2,’Claire’,’Castel’,’Female’, ‘Arts’)

Insert into Students values (2,’Claire’,’Castel’,’Female’, ‘Arts’)

Insert into Students values (3,’James’,’Watson’,’Male’, ‘Finance’)

Insert into Students values (3,’James’,’Watson’,’Male’, ‘Finance’)

Insert into Students values (3,’James’,’Watson’,’Male’, ‘Finance’)

1. SQL query that can delete all the duplicate rows except one. PARTITION BY divides the query result set into partitions

WITH StudentsCTE As

(

SELECT \*, ROW\_NUMBER() OVER (PARTITION BY ID order BY ID) AS RowNumber

FROM Students

)

DELETE FROM StudentsCTE WHERE RowNumber > 1