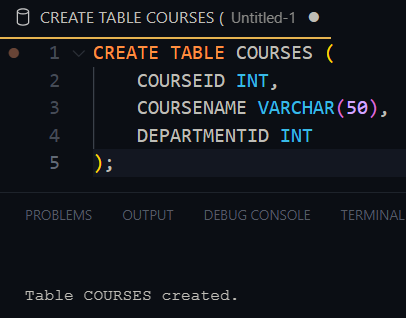
DBMS ASSIGNMENT-7

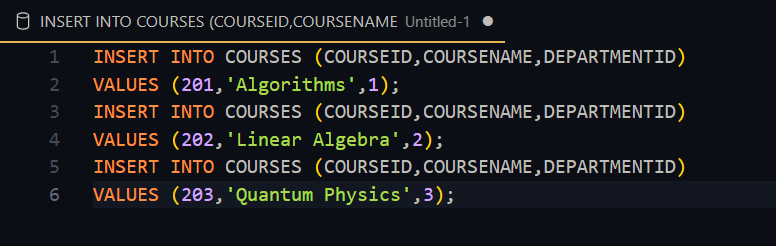
Praneesh R V

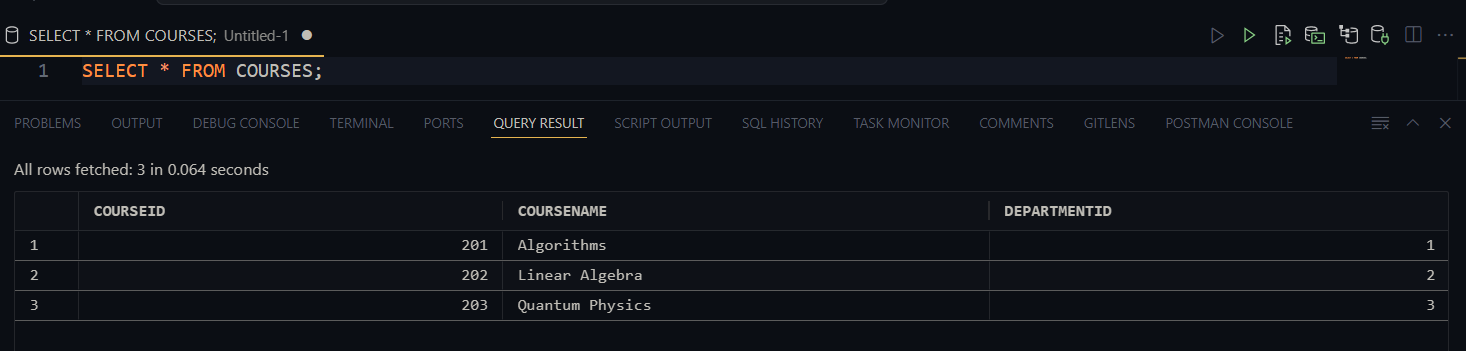
CB.SC.U4CYS23036

Scenario 1,

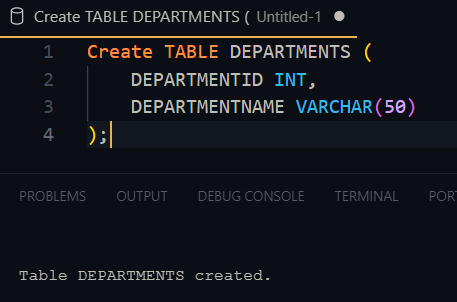
COURSES Table

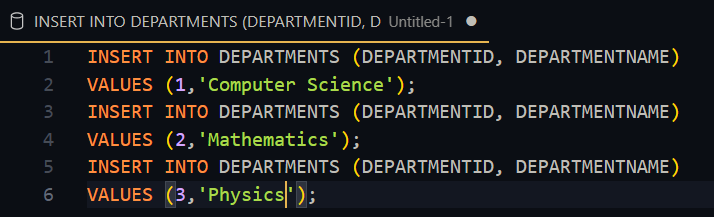


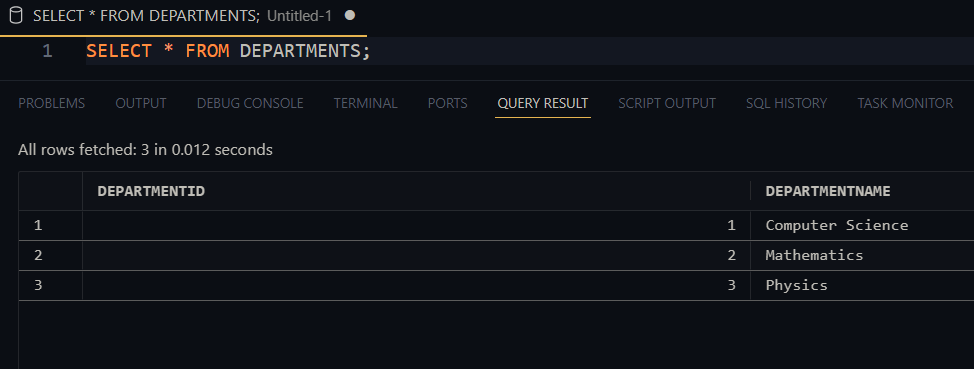




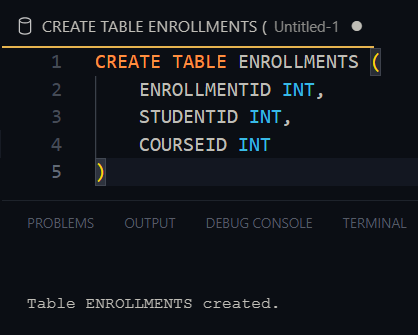
DEPARTMENTS Table

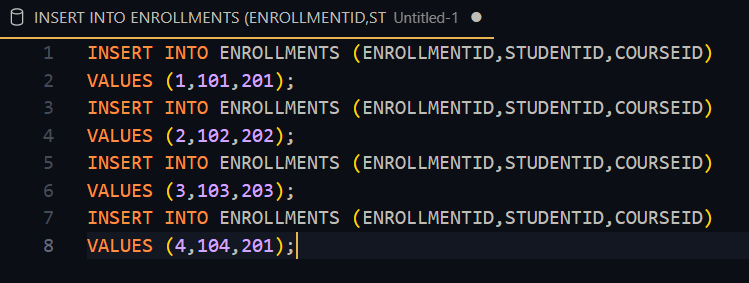


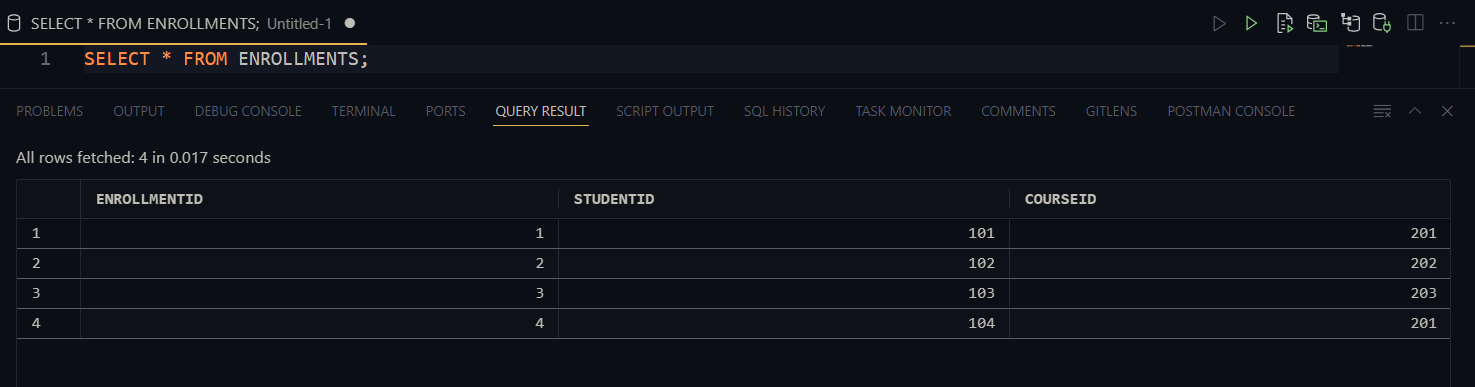




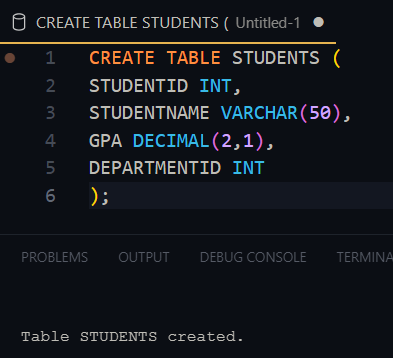
ENROLLMENTS Table

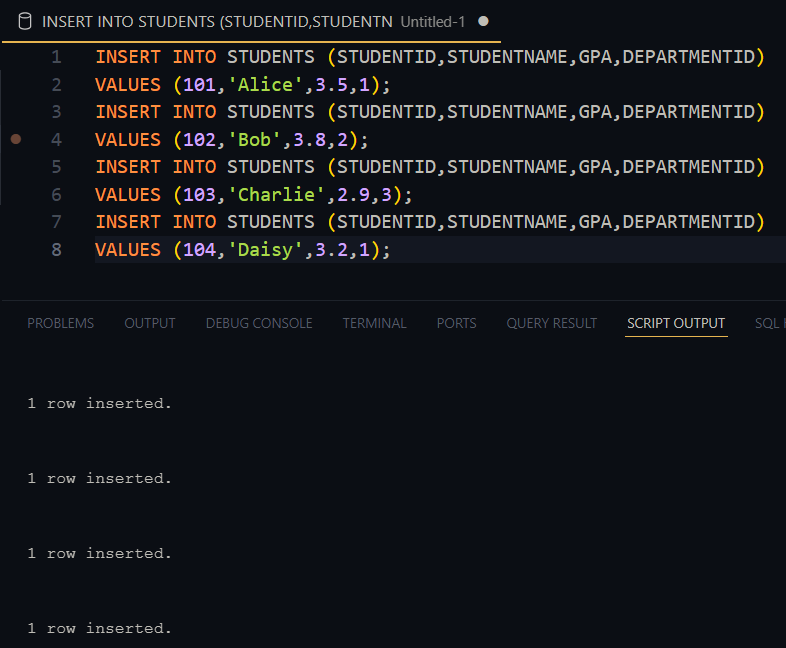


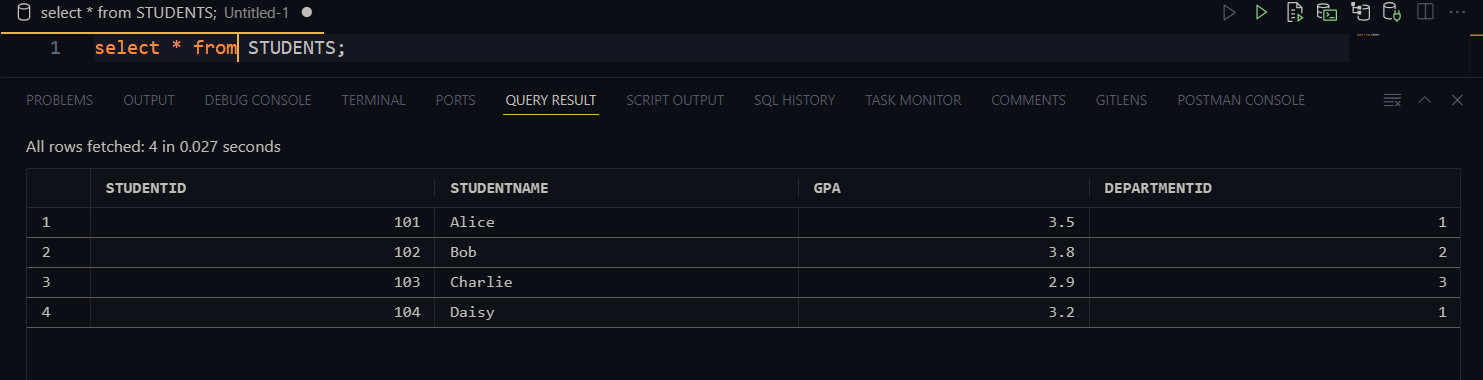




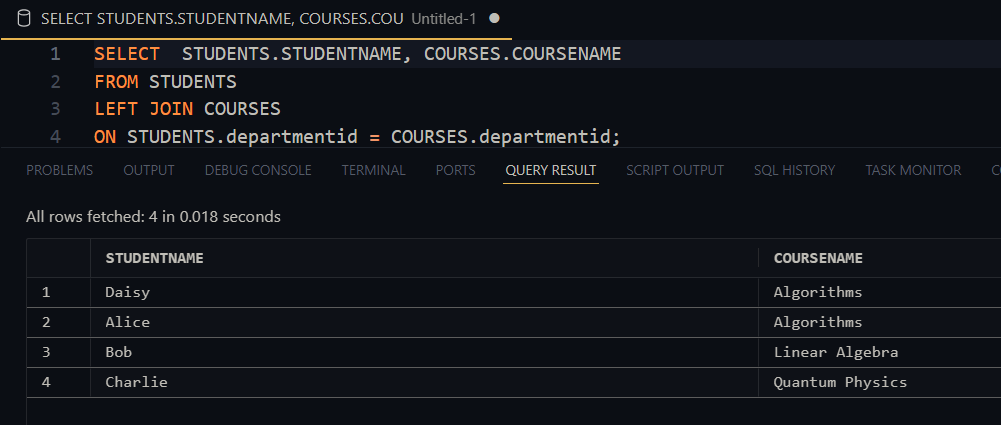
Students table



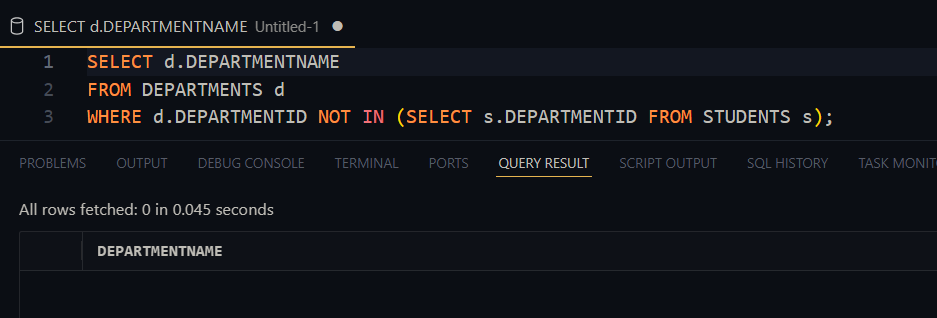




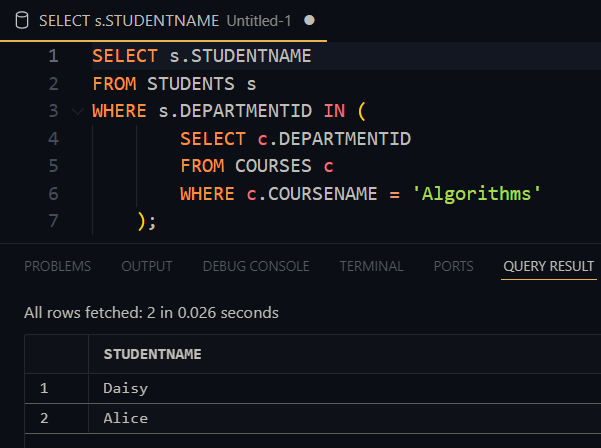
Qn 1, *List the names of students along with the courses they are enrolled in using a LEFT JOIN.*



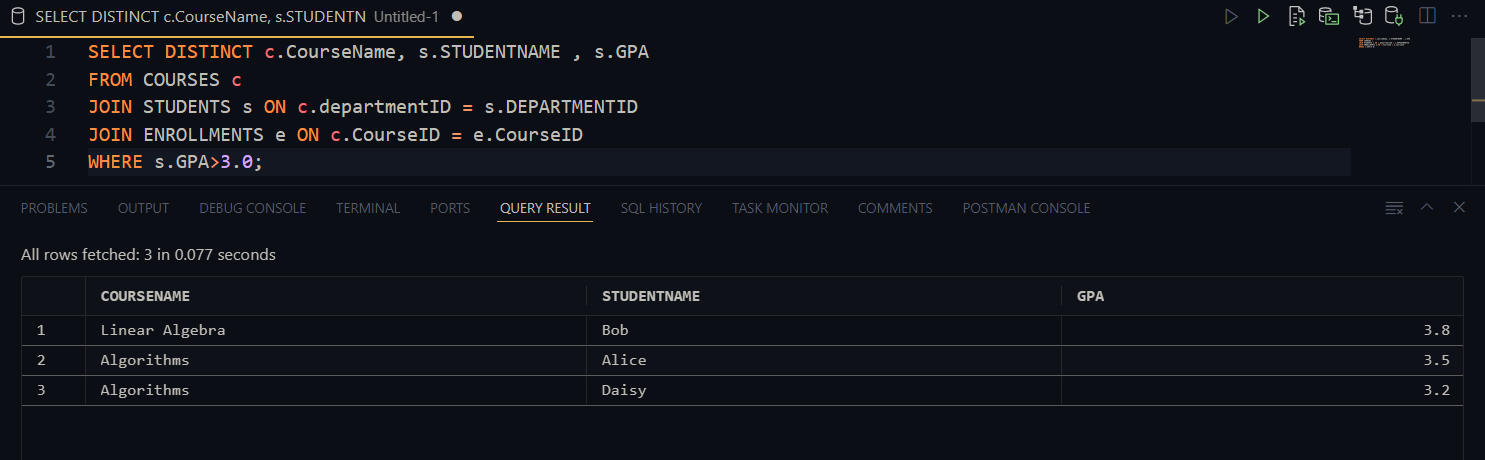
Qn2, Show all departments that have no students.



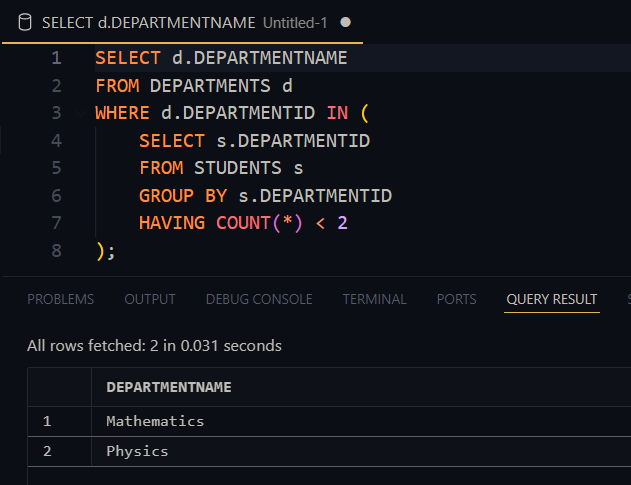
Qn3, Retrieve students enrolled in the 'Algorithms' course using a subquery with a join.



Qn 4, Find courses where all enrolled students have a GPA higher than 3.0.

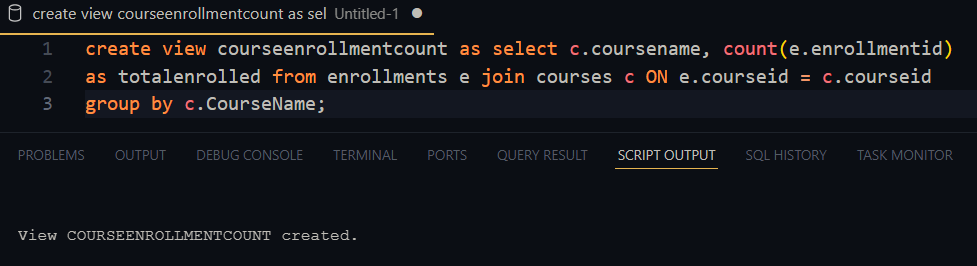


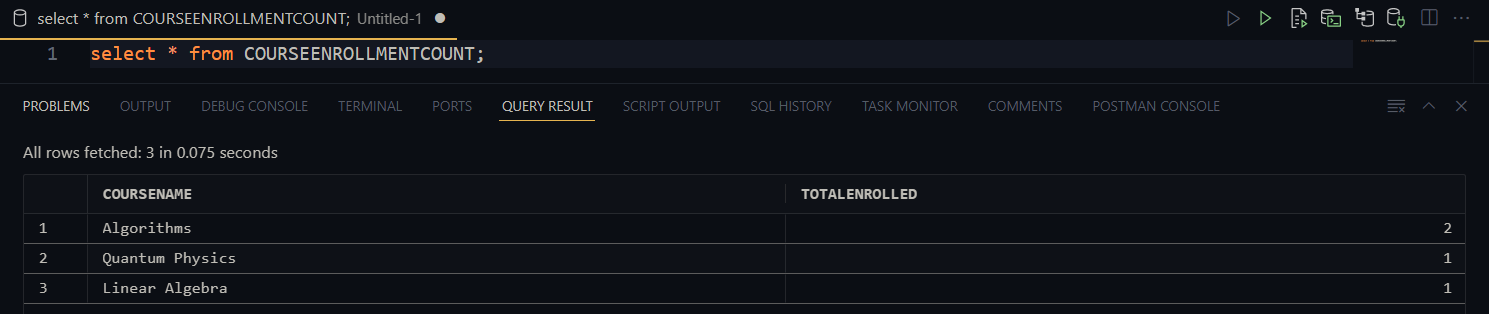
Qn 5, Find departments with fewer than 2 students enrolled.



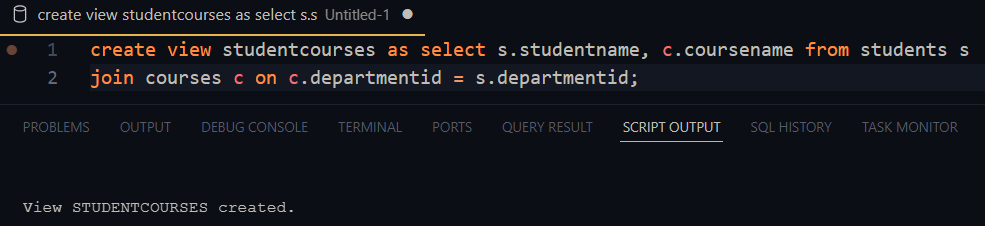
VIEWS

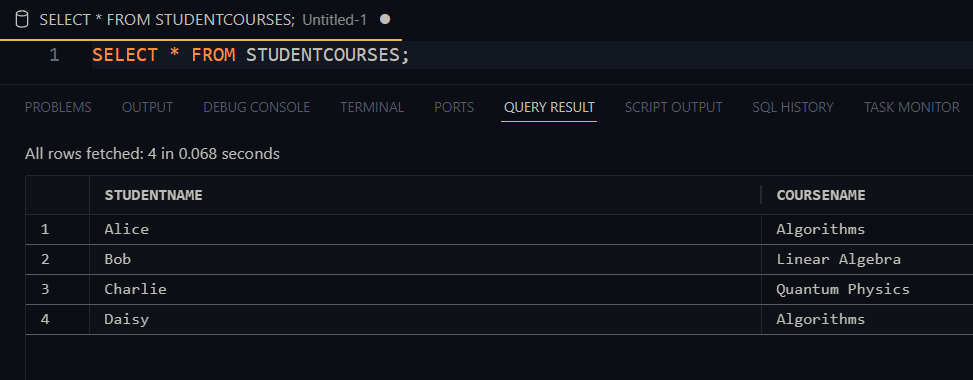
COURSEENROLLMENTCOUNT



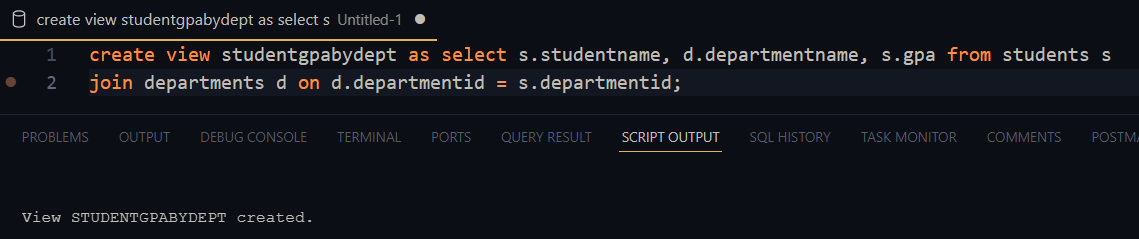


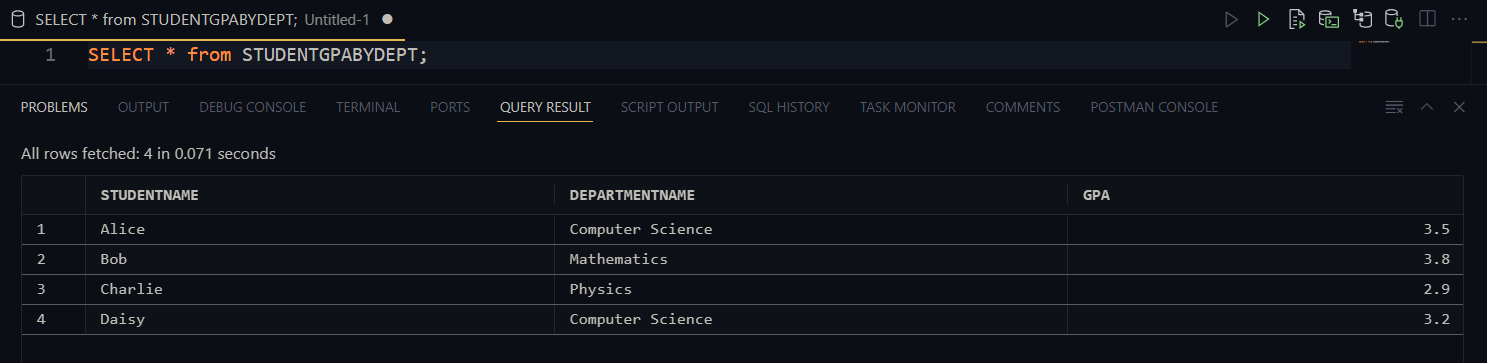
STUDENTCOURSES





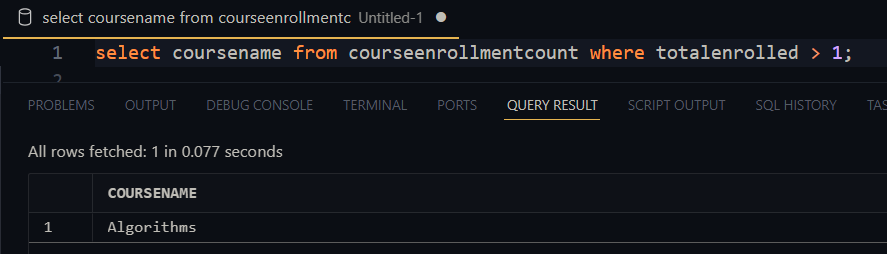
STUDENTGPABYDEPT



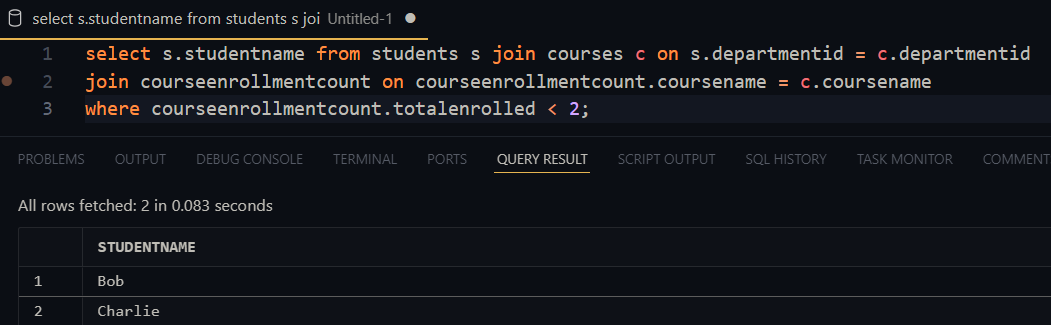


Qns

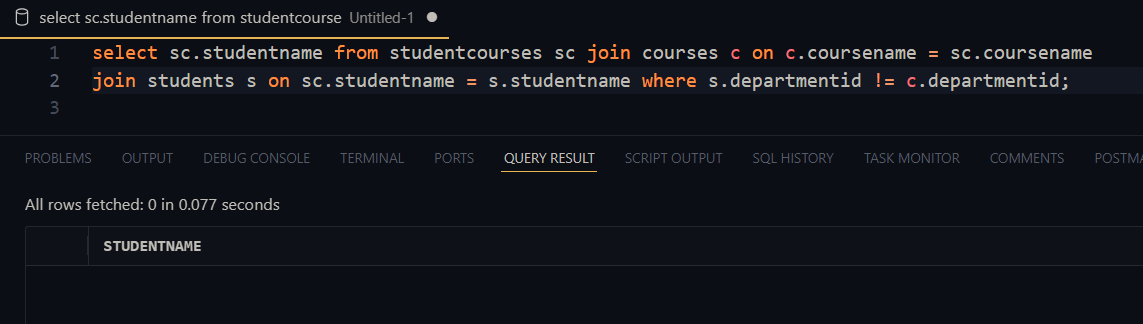
Qn6,



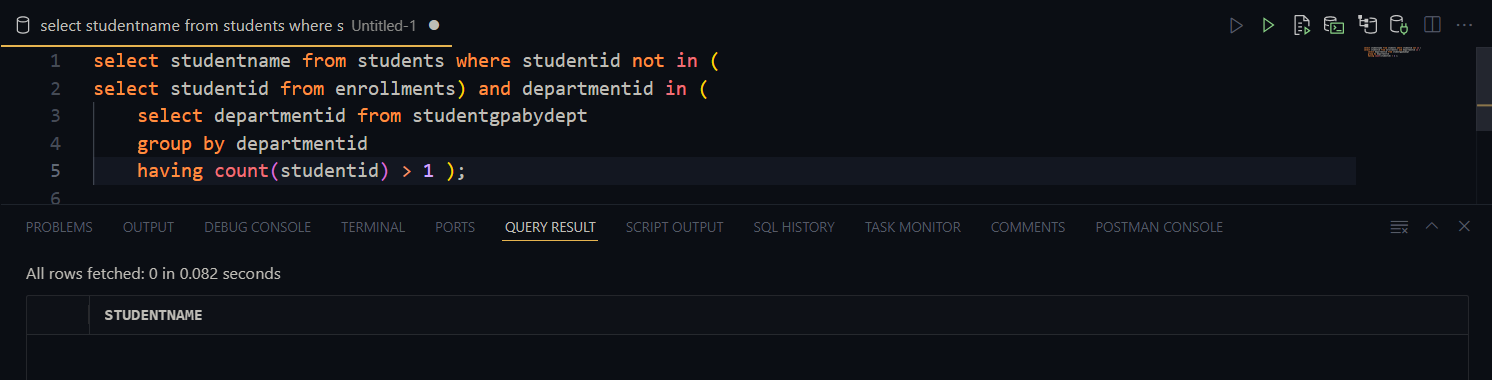
Qn7,



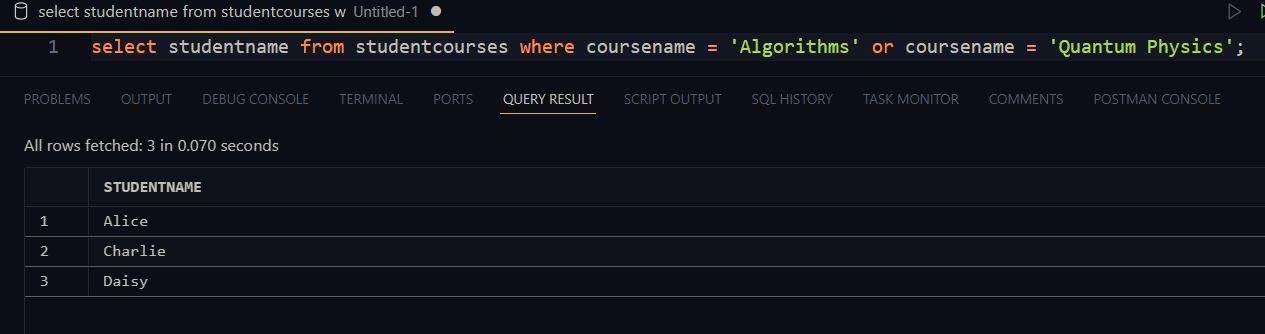
Qn 8,



Qn 9,

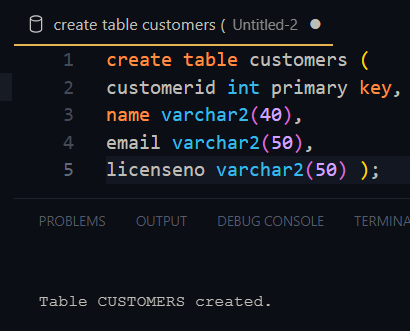


Qn 10,



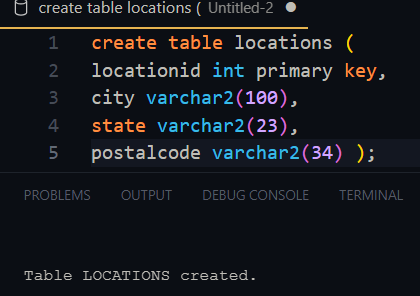
SCENARIO 2

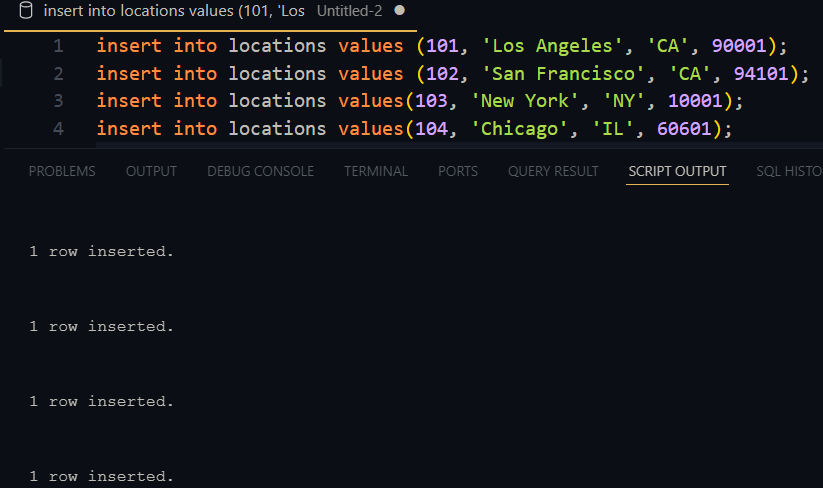
CUSTOMERS TABLE



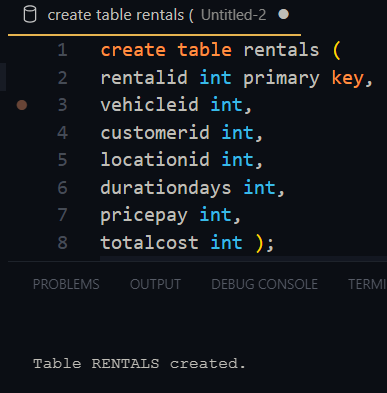


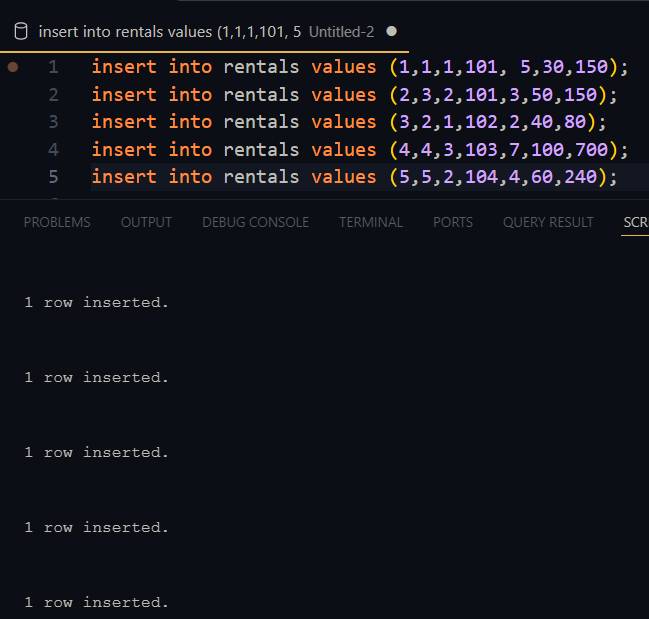
LOCATIONS TABLE



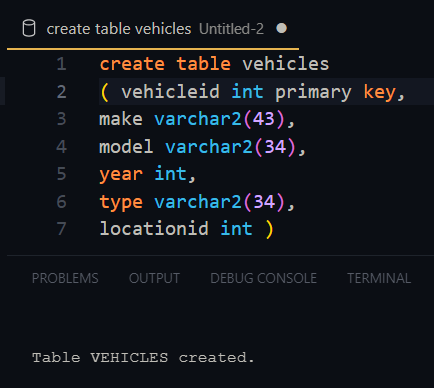


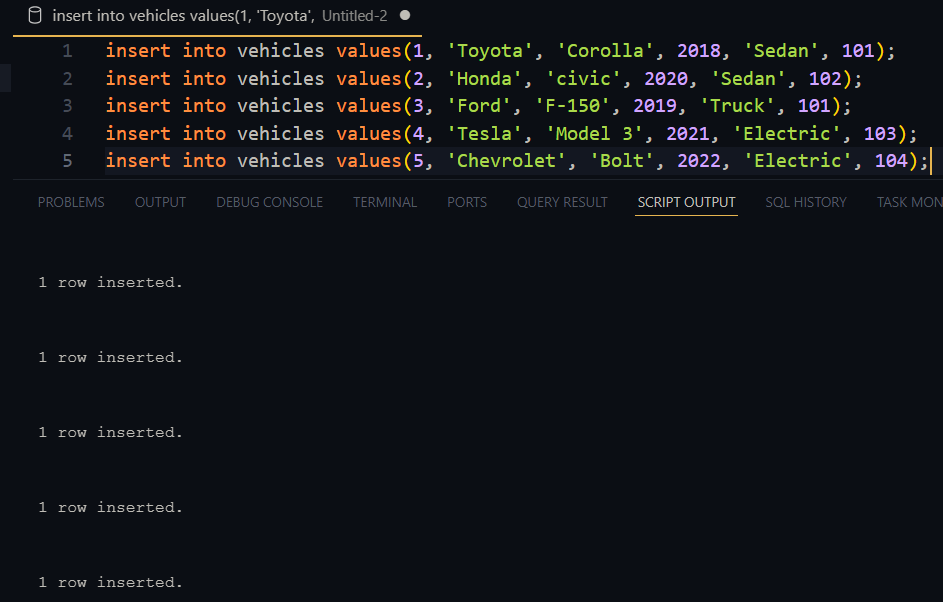
RENTALS TABLE





VEHICLES TABLE





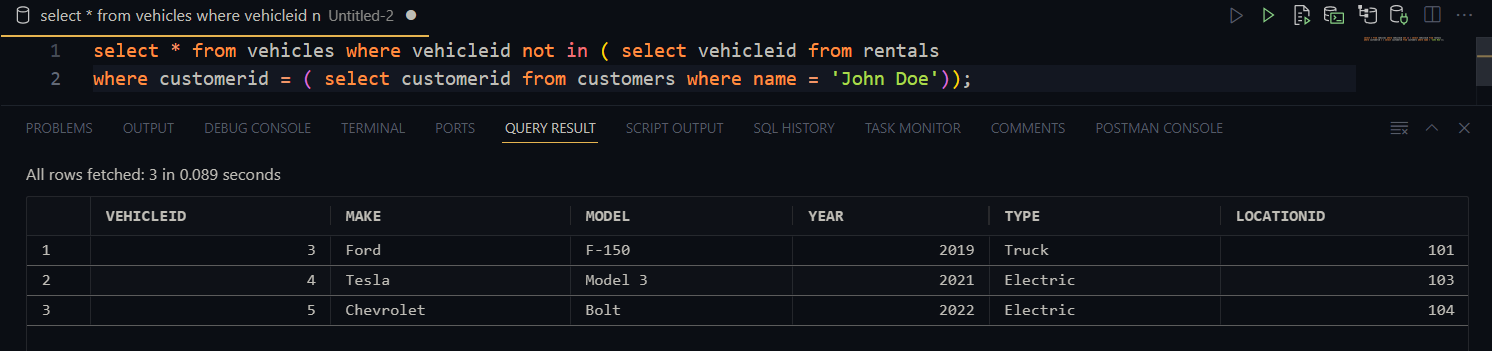
Qn1,



Qn2,



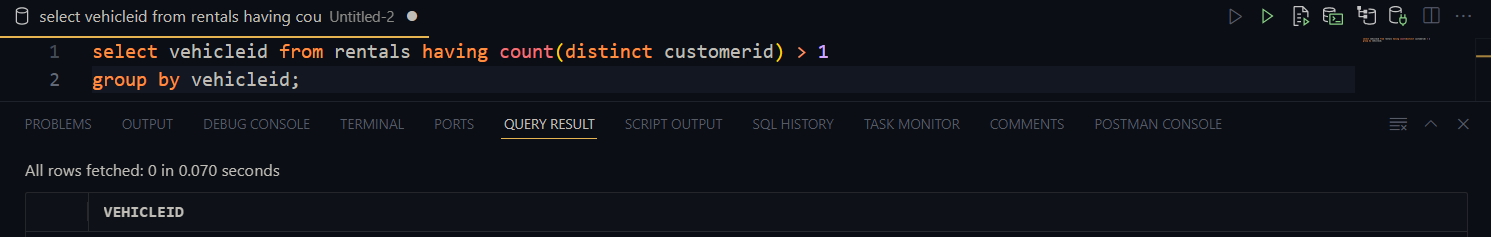
Qn3,



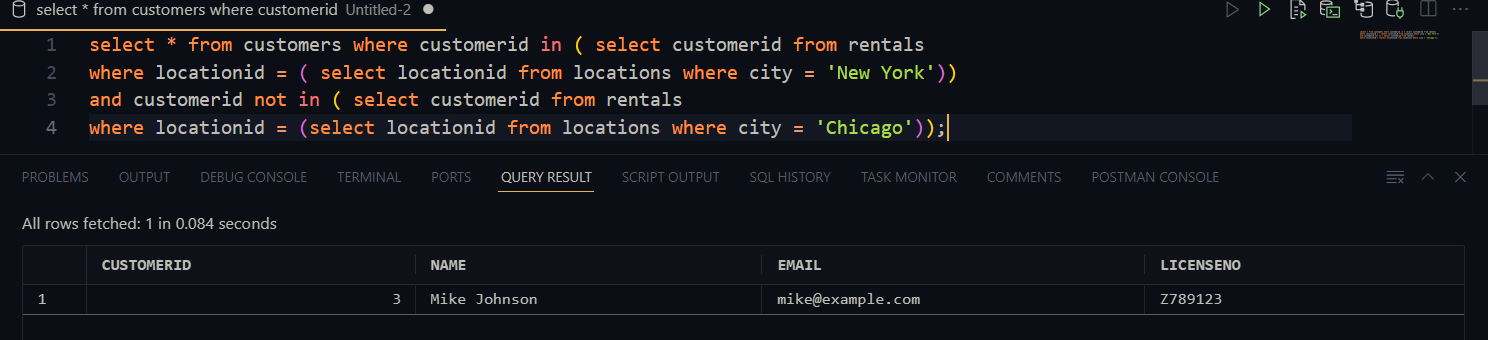
Qn 4,



Qn 5,

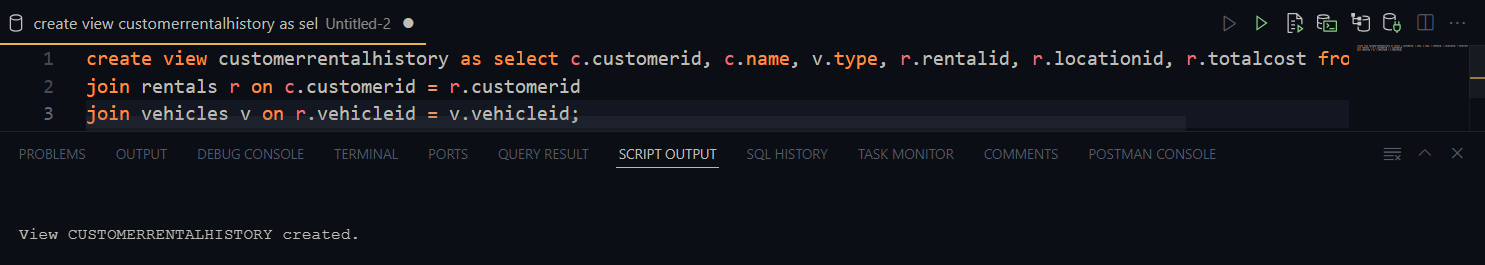


Qn6,



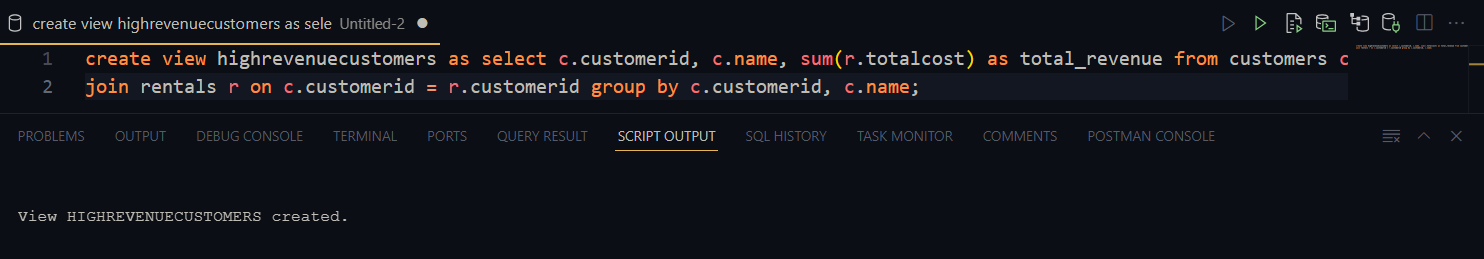
VIEWS

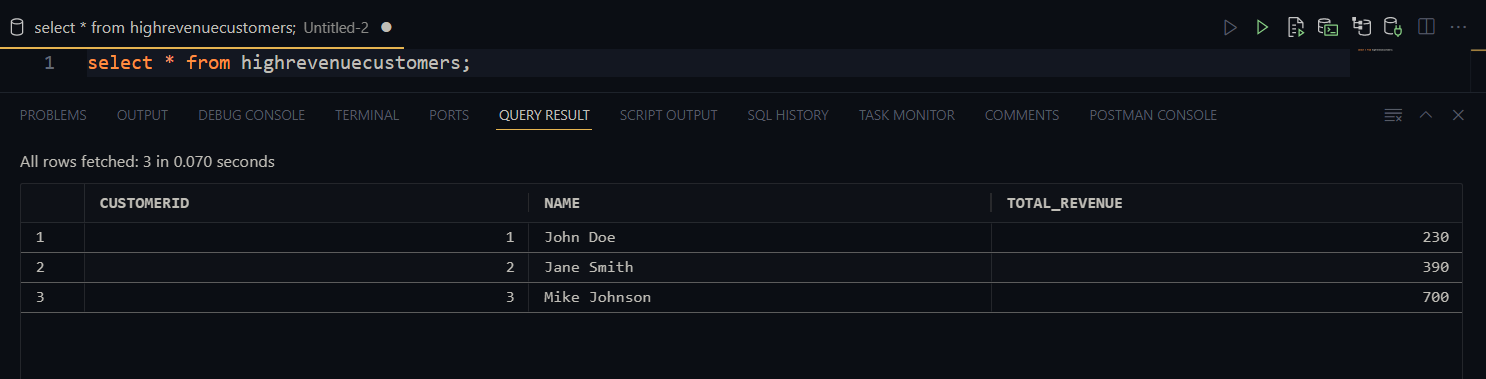
CUSTOMERRENTALHISTORY



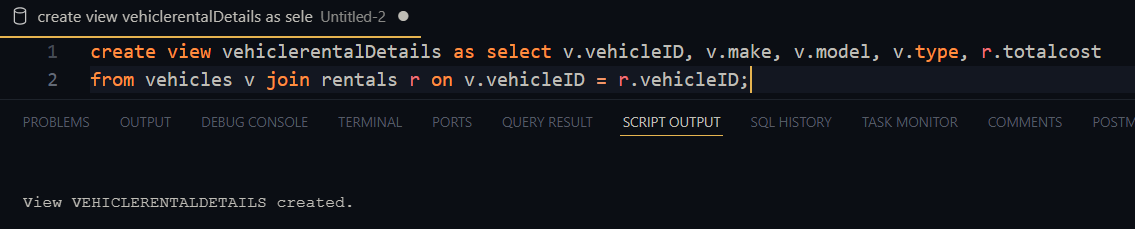


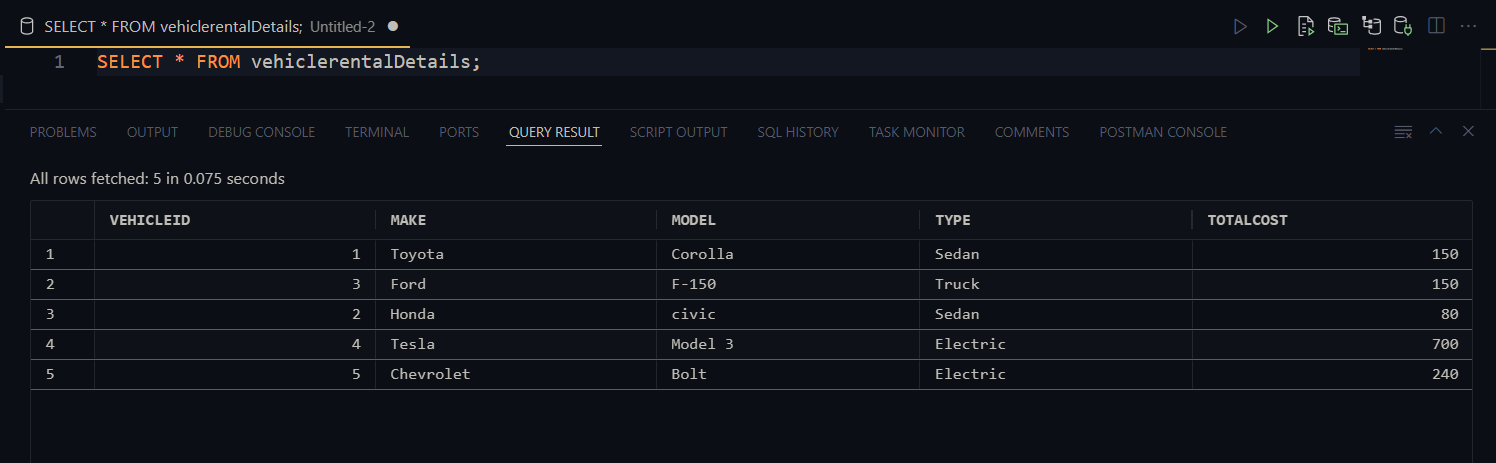
HIGHREVENUECUSTOMERS



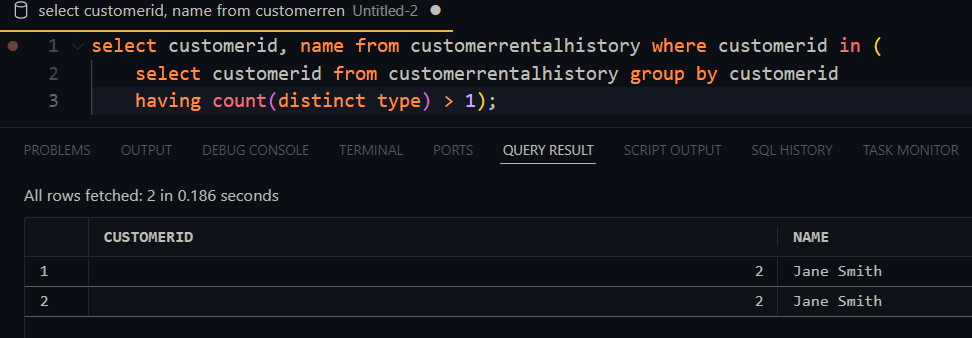


VEHICLERENTALDETAILS





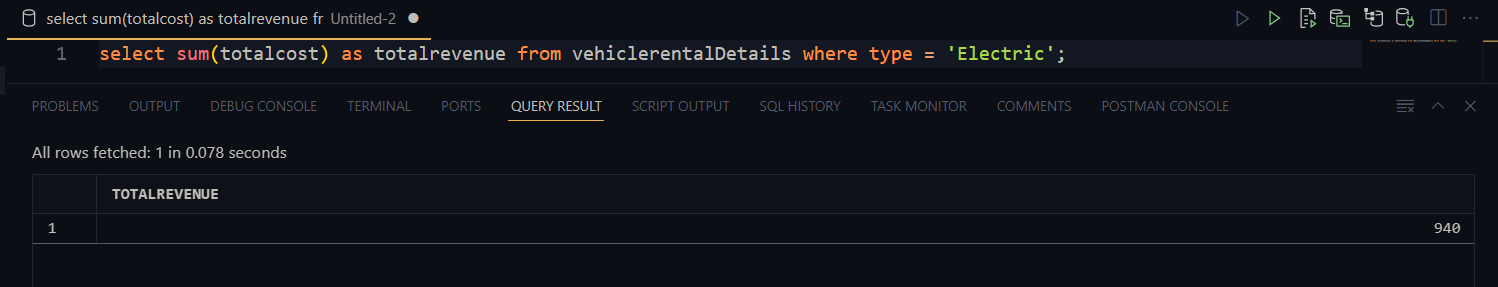
Qn7,



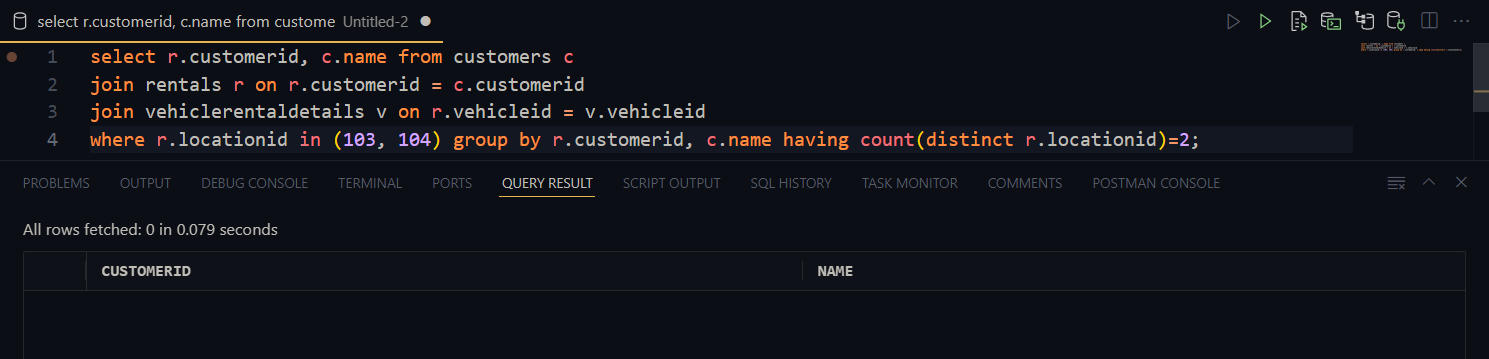
Qn 8,



Qn 9,



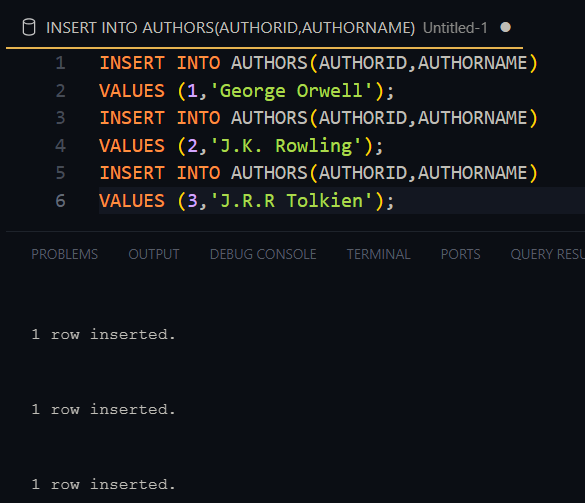
Qn 10,

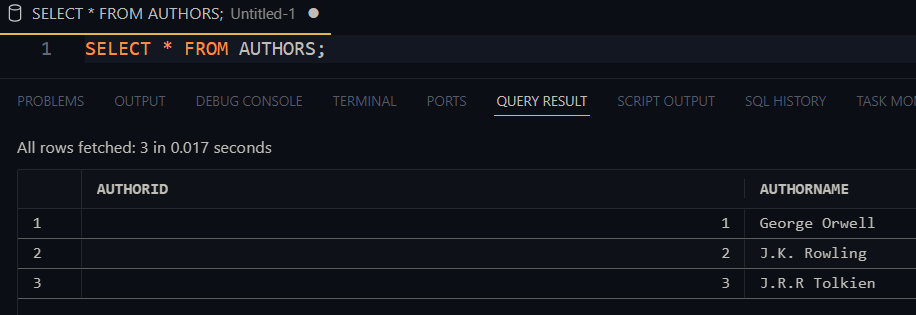


SCENARIO 3

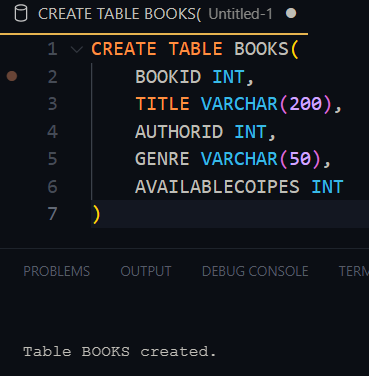
AUTHORS Table

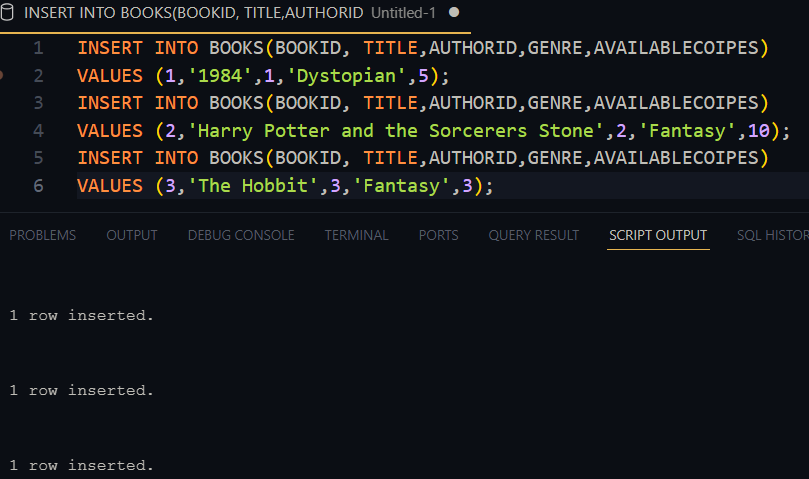


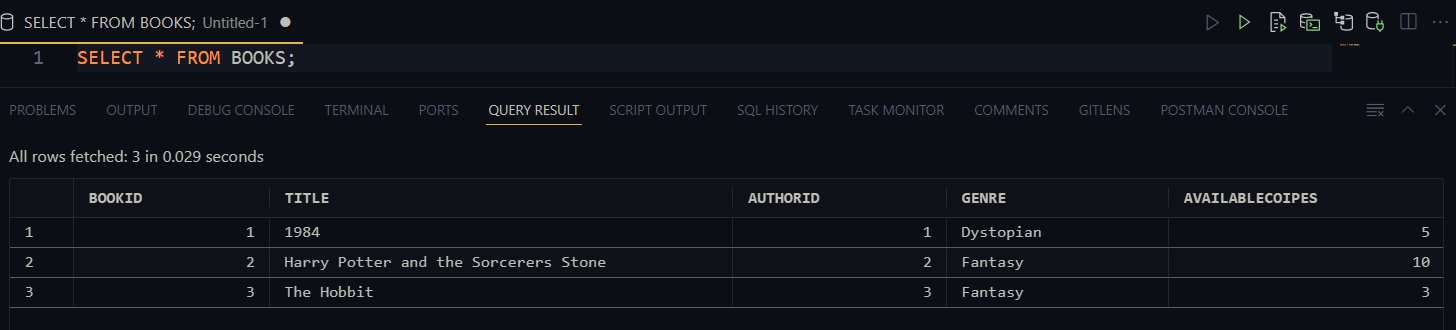




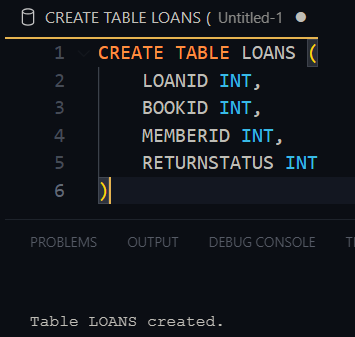
BOOKS Table

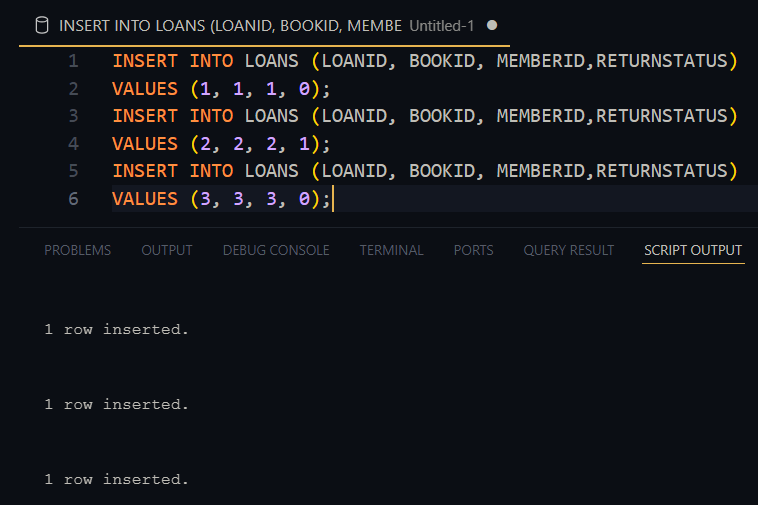


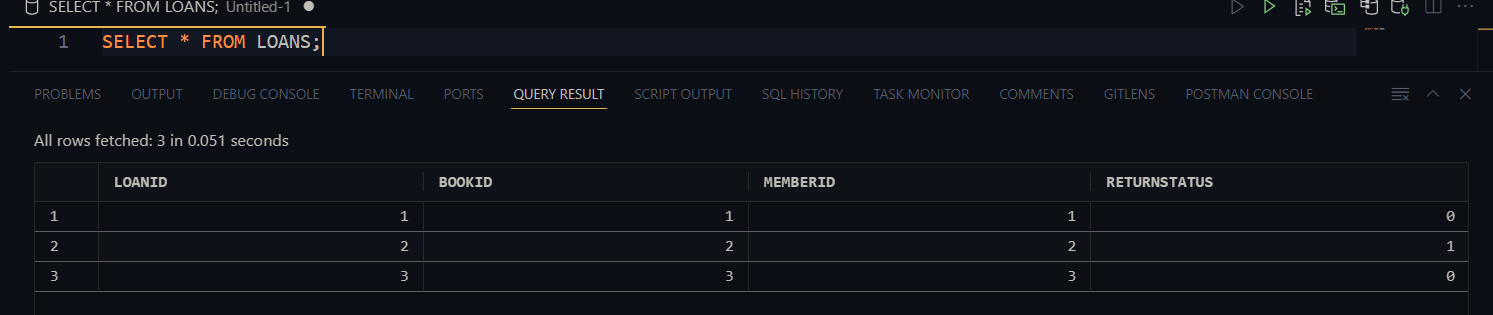




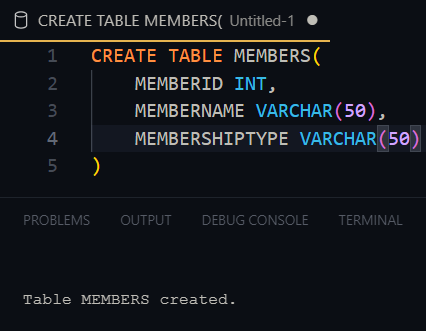
LOANS Table

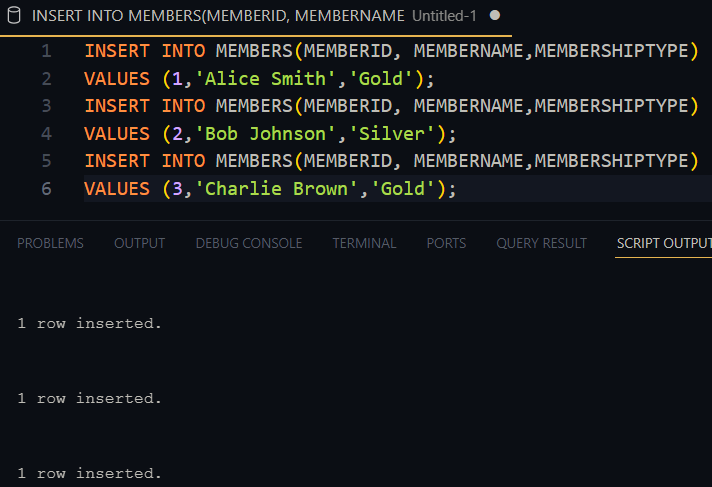


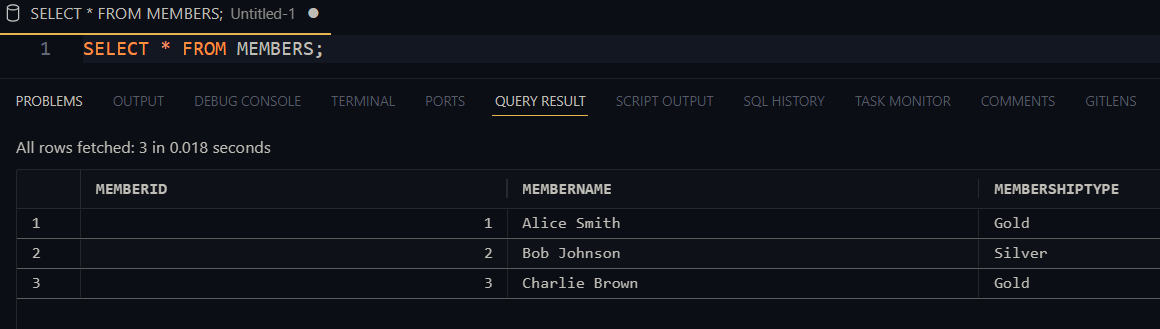




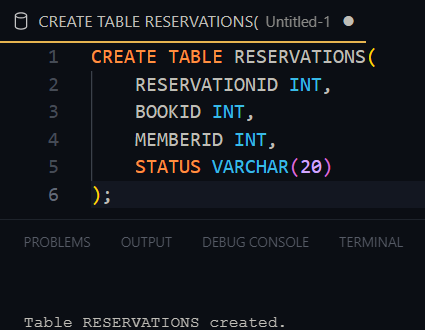
MEMBERS Table



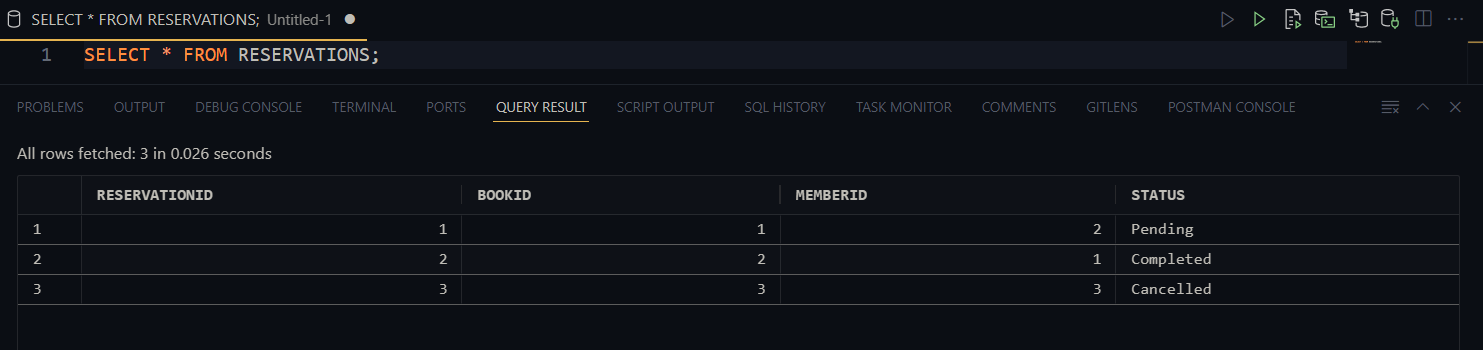




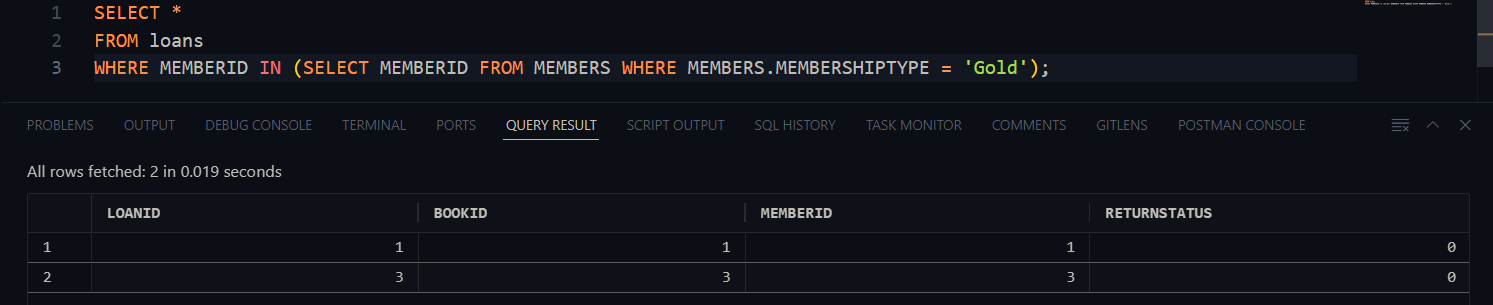
RESERVATIONS TABLE



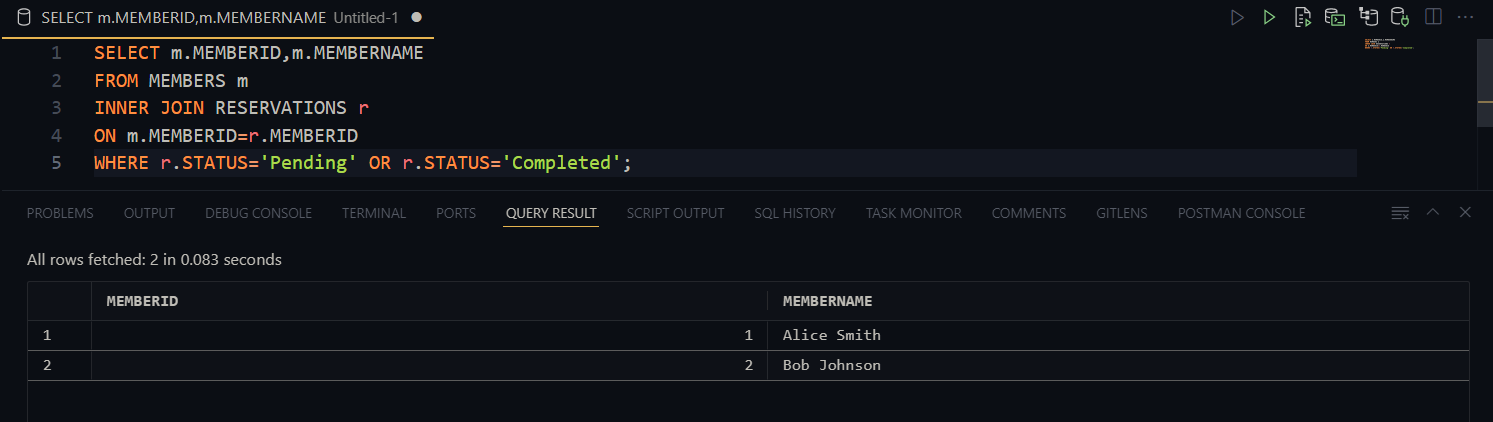




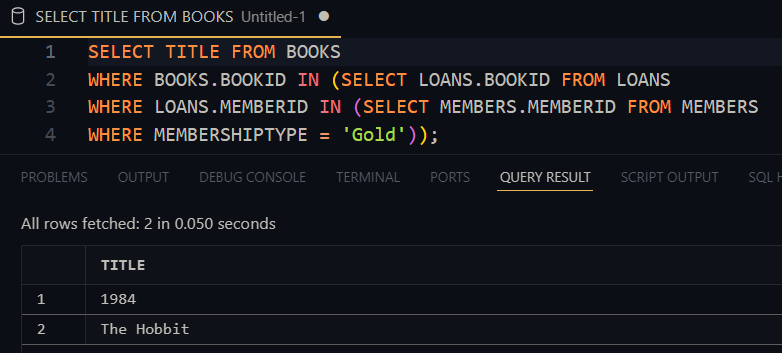
Qn1, Get the details of loans for members with 'Gold' membership.



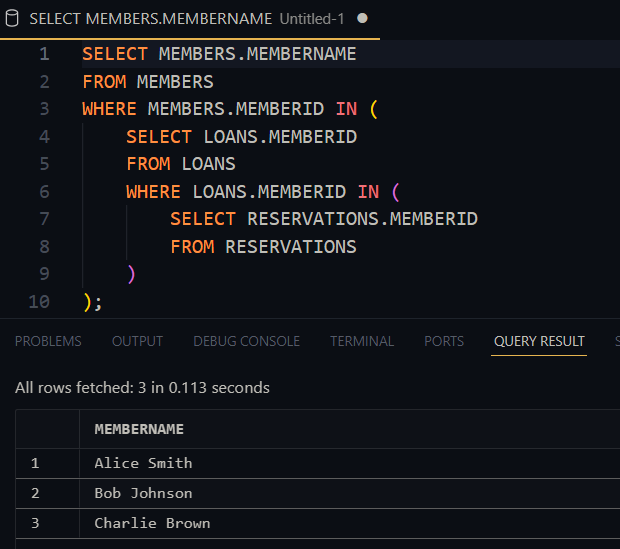
Qn2, Find all members who have a reservation for a book that is currently available.



Qn3, Find books that have been loaned by 'Gold' members



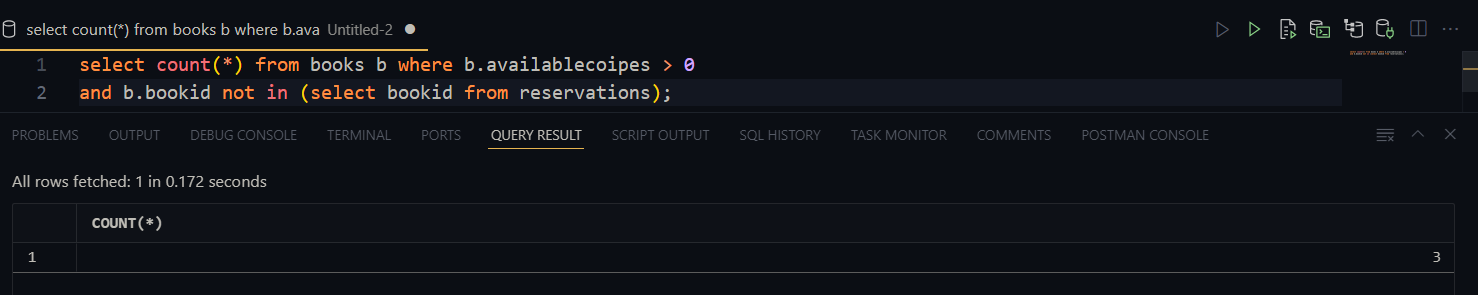
Qn4, Retrieve the members who have borrowed books that were also reserved by other members.



Qn 5, Show books that have been both reserved and loaned

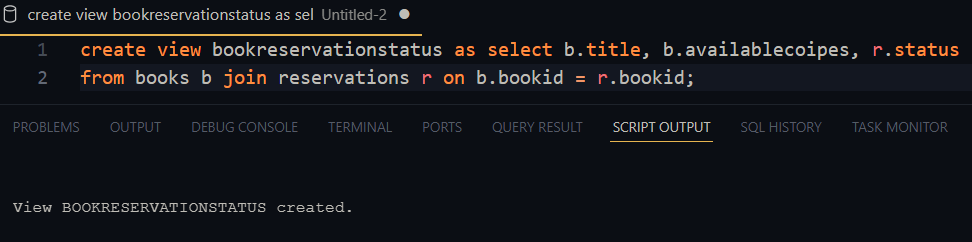


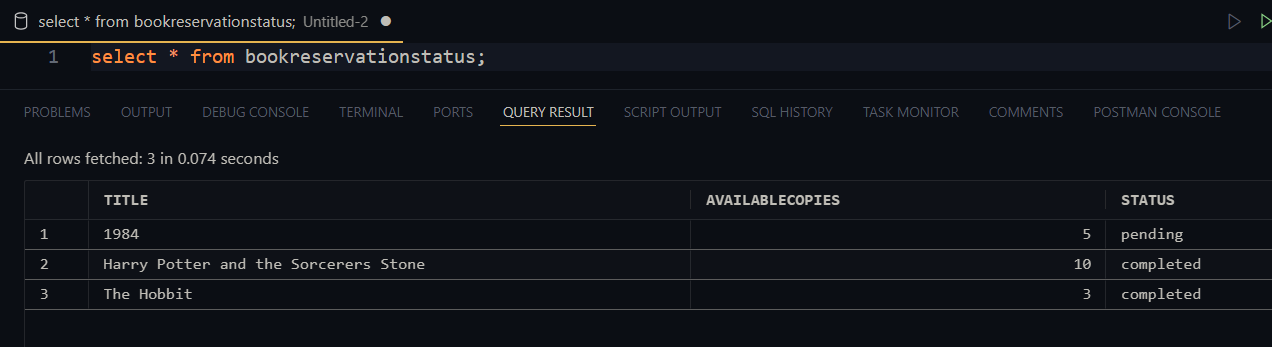
Qn 6, Find the total number of books that are available and have not been reserved



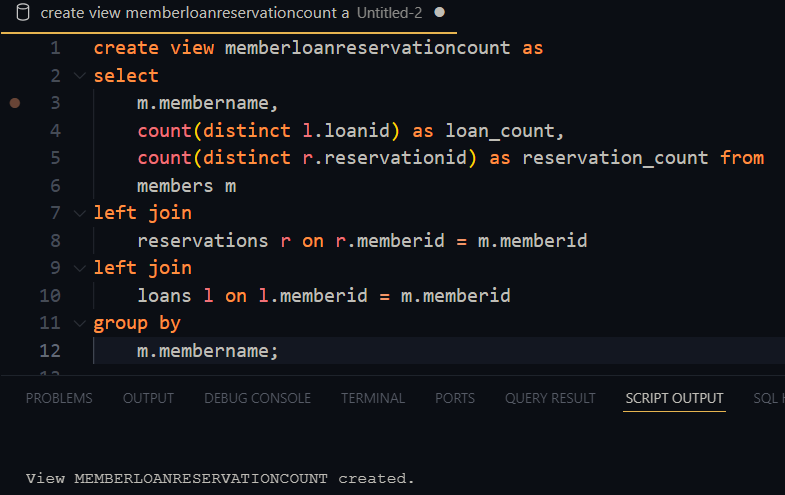
VIEWS

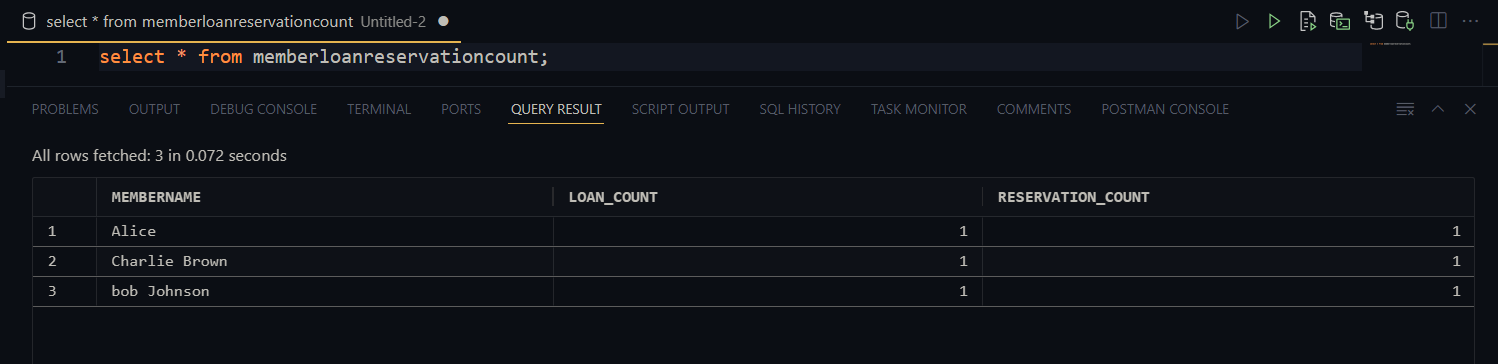
bookreservationstatus view





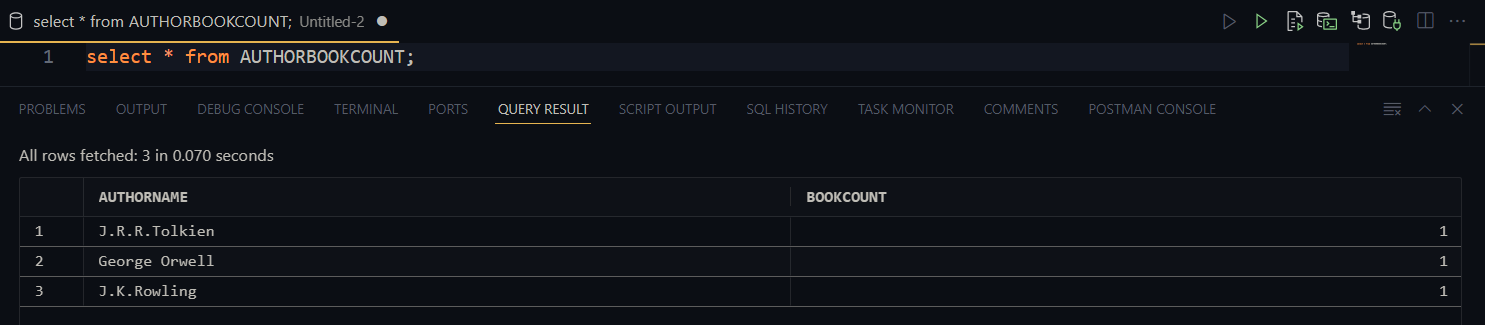
memberloanreservationcount view





Authorbookcount view

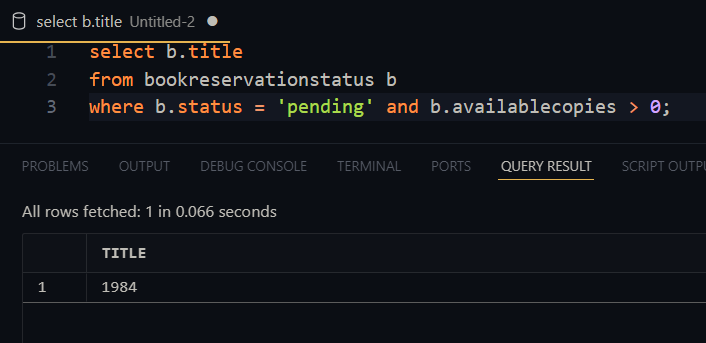




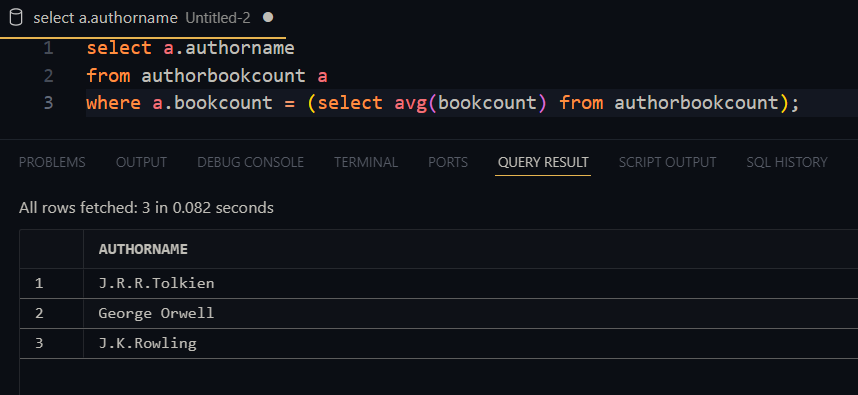
Qn 7,



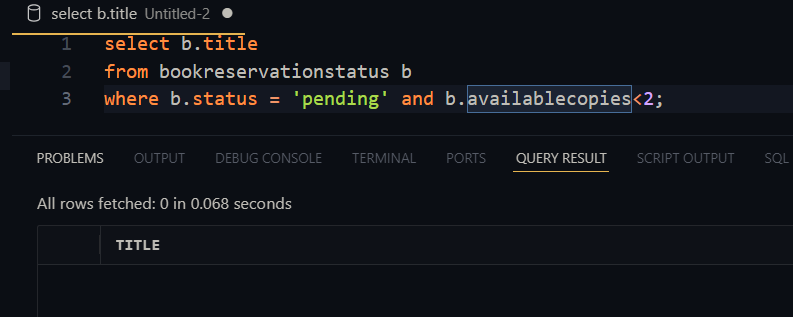
Qn 8,



Qn 9,

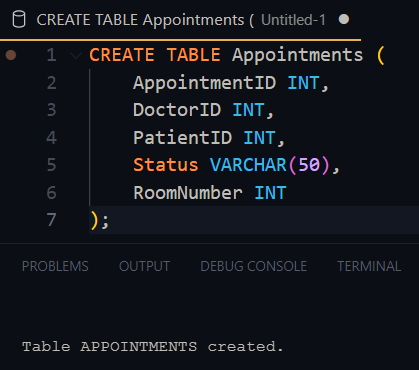


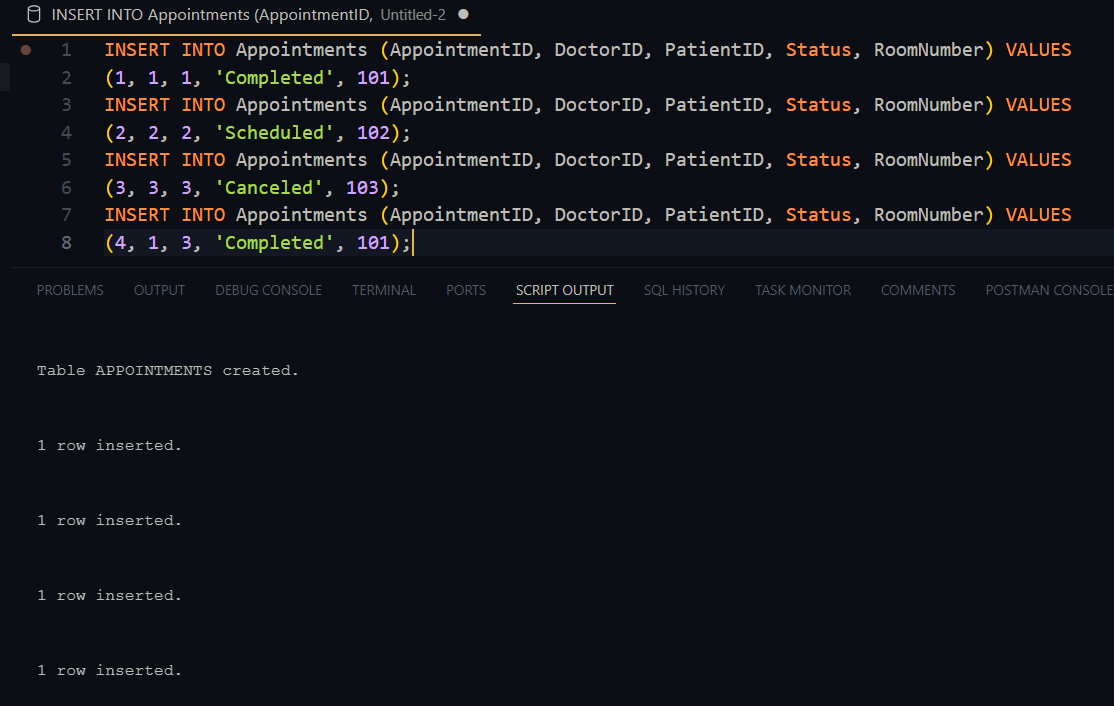
Qn 10,



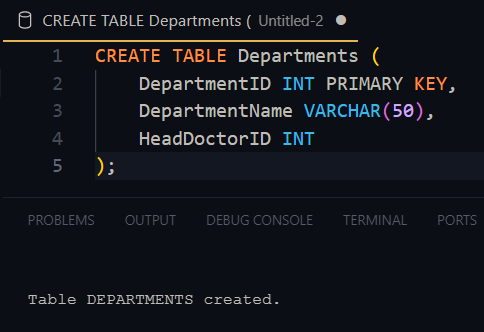
SCENARIO 4

APPOINTMENTS TABLE



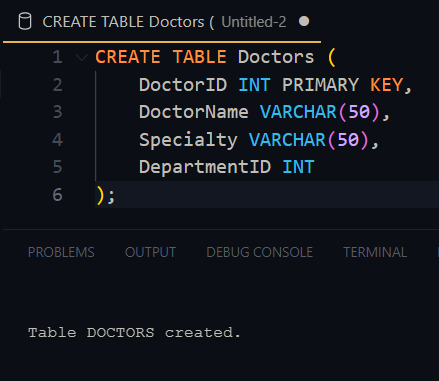


DEPARTMENTS TABLE



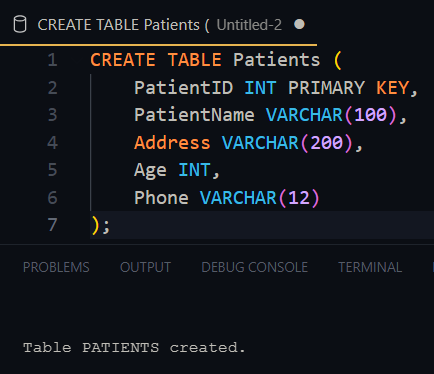


DOCTORS TABLE



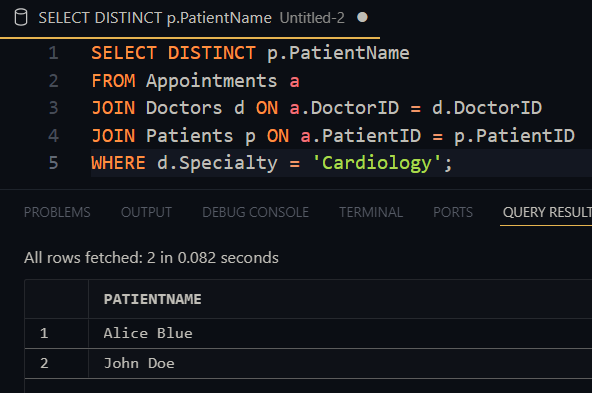


PATIENTS TABLE





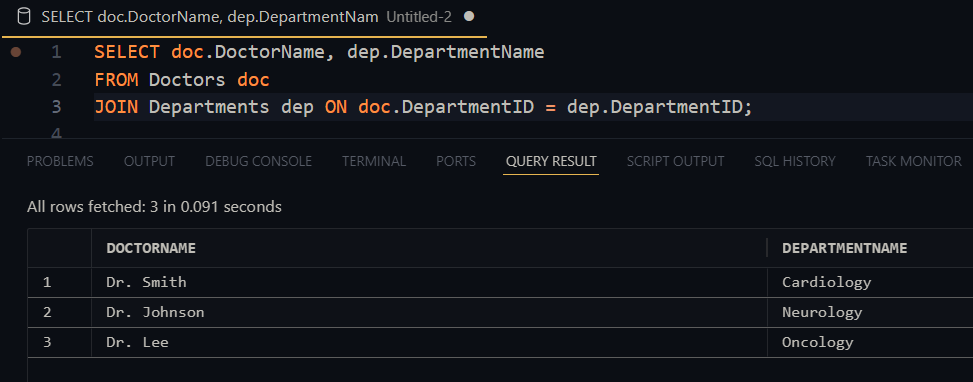
Qn1,

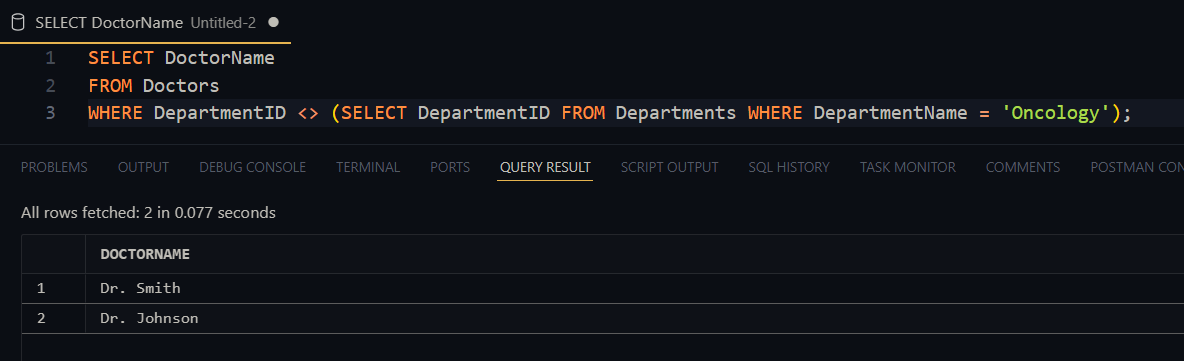


Qn 2,



Qn 3,

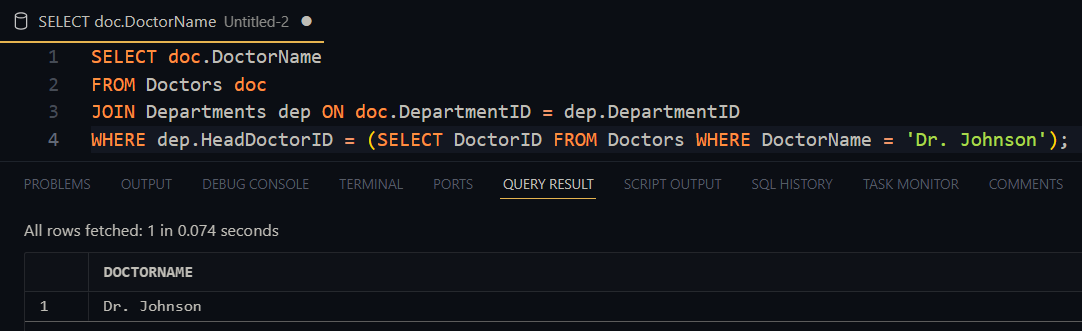
Qn 4,



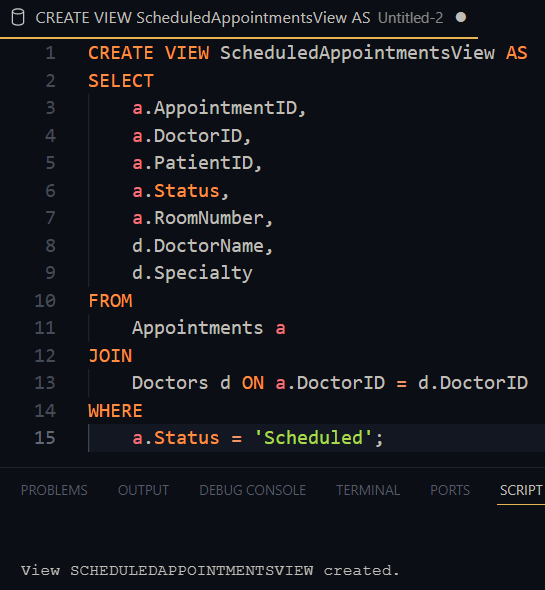
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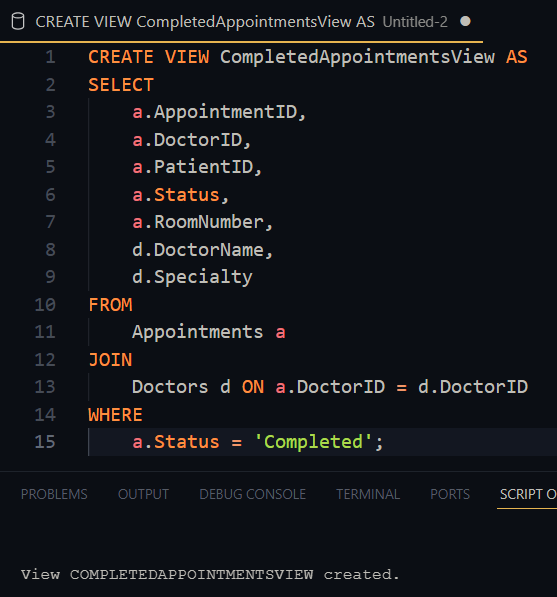


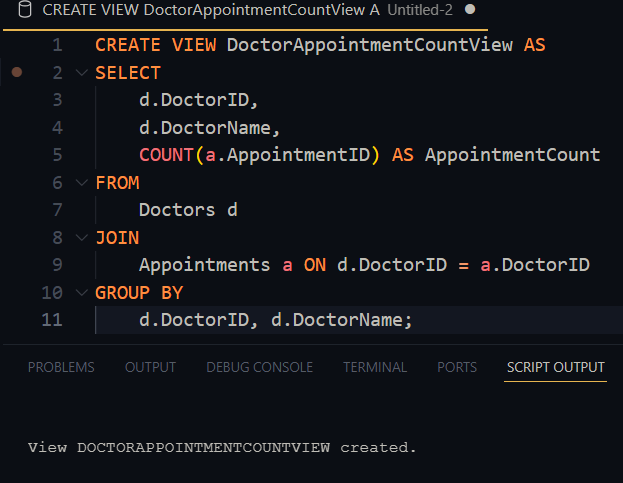
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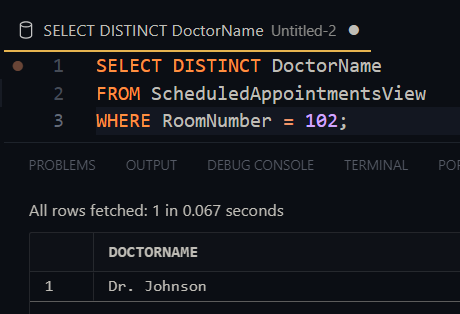
VIEWS

SCHEDULEDAPPOINTMENTSVIEW  


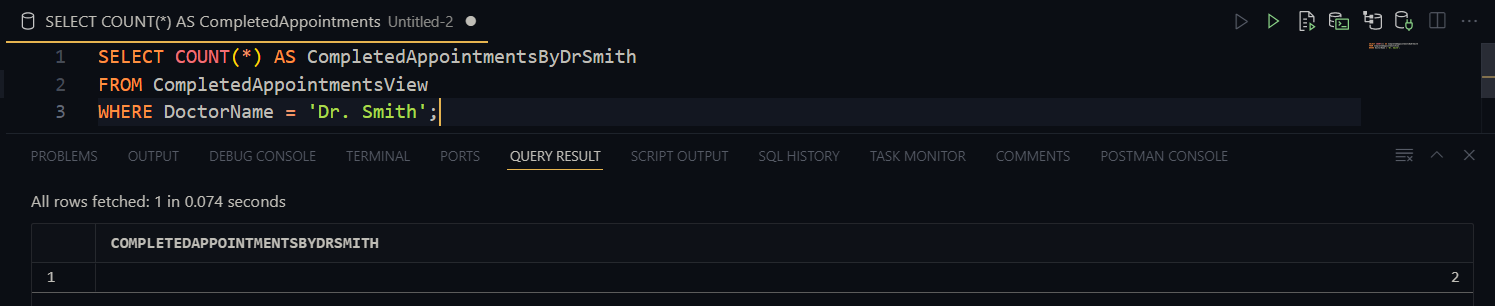
CompletedAppointmentsView  


DoctorAppointmentCountView  


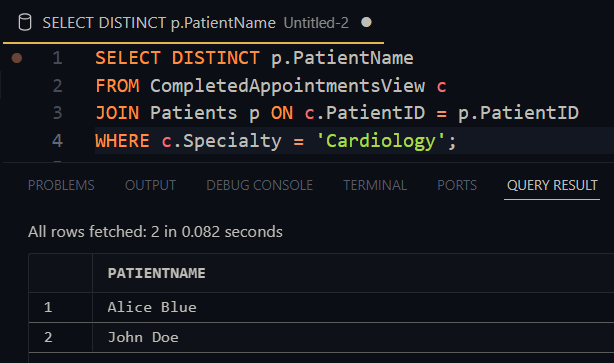
Qn 7,



Qn 8,



Qn 9,



Qn 10,

