

ALLVUE

IS / PSE / QA Sql Test

Instructions

Please answer all questions using the schema below. You may preview your results for each question using the 'Run SQL' button below each answer.

You have one hour to complete the test. Once finished, submit your test using the 'Submit Test' button. Time will continue to accrue until the test is submitted, and time remaining is displayed at the top of the page.

If you are disconnected, you can use the same link in your email to return and finish the test. While disconnected, TIME WILL CONTINUE TO ACCRUE.

Use Explicit JOINS instead of implicit JOINS.

Schema

Project	
ID	
Name	
DueDate	

Employee	
ID	
Name	

ProjectAssignment	
ID	
ProjectID	
EmployeeID	

Time Remaining

Test started at
10/29/2020 6:48 PM
59 minutes
remaining

Question 1

Write a query that will display all employee IDs and names, sorted alphabetically by Name. Expected results shown.

1

Run SQL

Expected Results

ID	Employee
3	Christine
4	Ira
1	Kevin
2	Mike
5	Nisha

Your Query Results

Question 2

Write a query that will display each project and its assigned team members, sorted alphabetically by project and then employee names. Expected results shown.

1

Run SQL

Expected Results	
Project	Employee
Alpha	Christine
Alpha	Kevin
Alpha	Mike
Bravo	Christine
Bravo	Mike
Charlie	Christine
Charlie	Ira

Your Query Results

Time Remaining

Test started at
10/29/2020 6:48 PM
59 minutes
remaining

Question 3

Write a query that will display only the Alpha project and its team members, sorted in descending alphabetical order. Expected results shown.

1

Run SQL

Expected Results	
Project	Employee

Your Query Results

Project	Employee
Alpha	Mike
Alpha	Kevin
Alpha	Christine

Question 4

Write a query that will display all projects and their team members, sorted alphabetically by project and then member names. If a project does not have assigned team members, that project should still be included in the output.

1

Run SQL

Your Query Results

Time Remaining

Test started at
10/29/2020 6:48 PM
59 minutes
remaining

Question 5

Write a query that will display all projects and their total number of team members, sorted alphabetically by project. If a project does not have assigned team members, that project should still be included in the output.

1

Run SQL

Your Query Results

Question 6

Write a query that will display all projects, their due date, and their completion status, sorted alphabetically by project. Assuming all projects are completed on time according to their due date, as of today's date, show 'Completed' or 'Incomplete' as each projects completion status.

Note: You can use the function GETDATE() to return today's date, as a DATETIME value.

1

Run SQL

Your Query Results

Time Remaining

Test started at
10/29/2020 6:48 PM
59 minutes
remaining

Question 7

Using your answer from the previous question, please extend your query to also display days to completion in a positive number, which will show the remaining days until due for each incomplete project.

1

Run SQL

Your Query Results

Submit Test

Time Remaining
Test started at 10/29/2020 6:48 PM 59 minutes remaining