

Use SQL Microsoft SQL Server 2022 and SQL Server Management Studio to complete the following tasks based on the WP database.

1. Write an SQL statement to create a view named ProjectInfoView that displays the ProjectName, Department (of the project), FirstName, LastName, and HoursWorked of the employees who worked on the project. After the view is created, write an SQL SELECT statement to query the view and attach the screenshot of the result in the report. (4 marks)
2. Write a stored procedure ProjectEmpSearch that takes the project name as the input and returns the first name, last name, and hours worked of the employees who worked on the project by using ProjectInfoView. Call the procedure using the project name '2019 Q4 Marketing Plan'. Attach the screenshot of the procedure execution result in the report. (4 marks)
3. Write a function dbo.ProjectCost that takes the project name and hourly rate as the input and returns the project labor cost (multiply the hourly rate by the total hours worked of employees on the project), by using ProjectInfoView. Use an SQL statement to call the function to display the labor cost of each project with 37.50 as the hourly rate. Give an appropriate column name to the computed results and remove duplicate rows if applicable. Attach the screenshot of the function call result in the report. (4 marks)

1 mark for using DROP VIEW/PROCEDURE/FUNCTION IF EXISTS and the GO command properly.

Submission

1. Your submission should be a compressed zip folder named assignment4-ID.zip (replace ID with your student number) that consists of
 - 1) A single SQL file named assignment4.sql that includes all your SQL statements. Please provide your name and student number as comments at the top.
 - 2) A **PDF** report named assignment4.pdf with your name and student number on the first page and the required screenshots.
2. **You MUST do the assignment individually.**
3. You **MUST** submit your assignment through Blackboard community by the due date. You may submit your work multiple times, but only the last submission before the due will be graded. **NO LATE SUBMISSION.**
4. 1 mark for submission following the instructions.

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