DATABASE I - ASSIGNMENT 4

Summer 2023

Author

Name: Alessandro Santos de Lima Student ID: 300340437

Contents

1	View ProjectInfoView	3
2	Stored Procedure ProjectEmpSearch	3
3	Function dbo.ProjectCost	4

1 View ProjectInfoView

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.

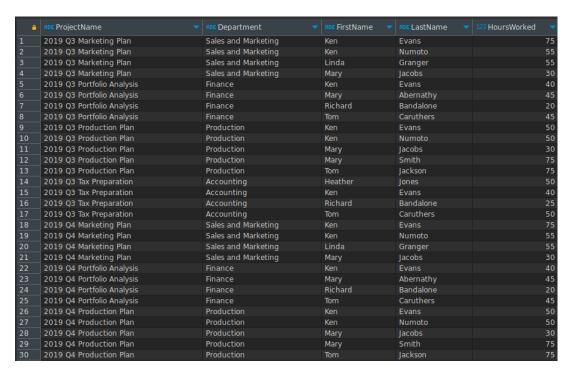


Figure 1: View named ProjectInfoView.

2 Stored Procedure ProjectEmpSearch

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.

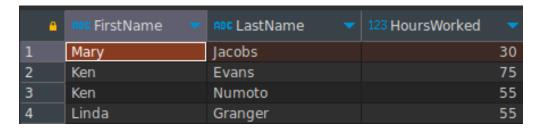


Figure 2: Stored procedure ProjectEmpSearch executed with parameter 2019 Q4 Marketing Plan:

3 Function dbo.ProjectCost

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.

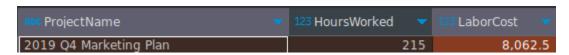


Figure 3: Function dbo.ProjectCost with parameters 2019 Q4 Marketing Planand 37.50