

Database Technologies – Assignment 9

Note: use “classwork” database to solve below queries

Use ALTER statement to solve following problems.

1. Write a SQL statement to rename the table **EMP** to **EMPLOYEE**.
2. Write a SQL statement to add a column **region** to the table **DEPT**.
3. Write a SQL statement to add a **dummy_ID** as the first column of the table **DUMMY**.
4. Write a SQL statement to add a column **position** after **grade** to the table **SALGRADE**.
5. Write a SQL statement to change the data type of the column **sal** to **float** in the table **EMP**.
6. Write a SQL statement to drop the column **region** from the table **DEPT**.
7. Write a SQL statement to change the name of the column **job** to **designation** from **EMP** table, keeping the data type and size same.

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PL-SQL

1. Write a procedure that computes the perimeter and the area of a rectangle. Define your own values for the length and width. (Assuming that L and W are the length and width of the rectangle, $\text{Perimeter} = 2 \times (L + W)$ and $\text{Area} = L \times W$).
2. Write a procedure that declares an integer variable called num, assigns a value to it, and computes and inserts into the temp table the value of the variable itself, its square, and its cube.
3. Create a procedure to Convert a temperature in Fahrenheit (F) to its equivalent in Celsius (C) and vice versa. The required formulae are:- $C = (F - 32) \times 5/9$ $F = 9/5 \times C + 32$
4. Create a procedure to Convert a number of inches into yards, feet, and inches. For example, 124 inches equals 3 yards, 1 foot, and 4 inches.
5. Create a procedure that takes department ID and changes the manager ID for the department to the employee in the department with lowest salary.