

## Database Technologies – Assignment 10

**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 change the data type of the column **sal** to **float** in the table **EMP**.
5. Write a SQL statement to drop the column **region** from the table **DEPT**.

## Database Technologies – Assignment 10

### 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.