

01. Query TB_FUNCAO and return a single expression in the format:

“The identifier of <function description> is the ID: <id_funcao>”.

Use an alias for this column expression as “Function Description” using the AS keyword.

02. Using table DUAL, calculate the area of a circle with a radius of 6000 units, with PI approximately equal to 22/7.

Use the formula: $\text{Area} = \pi \times \text{radius} \times \text{radius}$.

Create an alias named “Area”.

03. Retrieve the department name(s) from TB_DEPARTAMENTO that end with the three letters “ing”.

04. TB_FUNCAO contains descriptions of different roles within the company.

It includes the columns ID_FUNCAO, DS_FUNCAO, BASE_SALARIO, and TETO_SALARIO.

Write a query that retrieves DS_FUNCAO, BASE_SALARIO, and the difference between TETO_SALARIO and BASE_SALARIO for each row.

The results must include only rows where DS_FUNCAO contains the word “Presidente” or “Gerente”.

Sort the list in descending order based on the calculated difference.

If two or more rows have the same difference, additionally sort those rows by DS_FUNCAO in reverse alphabetical order.

05. For this exercise, substitution variables (&) must be used.

HR often calculates taxes withheld on employee salaries.

You must write a reusable query where the inputs are the current tax rate and the ID_EMPREGADO value.

The query should return: ID_EMPREGADO, NOME, SALARIO, ANNUAL SALARY (SALARIO * 12), TAX RATE, and TAX AMOUNT (TAX RATE * ANNUAL SALARY).