ACTIVIDAD 9. TAREA INDIVIDUAL. SENTENCIAS SQL AVANZADAS RELACIONAL

1- Muestre el salario más alto, más bajo, salario total y salario promedio por cada tipo de puesto que se tiene en la organización.

SQL Worksheet

Clear Find

```
1  SELECT
2  j.job_title AS "Puesto",
3  TO_CHAR(ROUND(MAX(e.salary),2),'$99,999.00') AS "Salario Máximo",
4  TO_CHAR(ROUND(MIN(e.salary),2),'$99,999.00') AS "Salario Mínimo",
5  TO_CHAR(ROUND(SUM(e.salary),2),'$999,999.00') AS "Salario Total",
6  TO_CHAR(ROUND(AVG(e.salary),2),'$99,999.00') AS "Salario Promedio"
7  FROM hr.employees e INNER JOIN hr.jobs j ON e.job_id=j.job_id
8  GROUP BY j.job_title;
9
```

Puesto	Salario Máximo	Salario Mínimo	Salario Total	Salario Promedio
Human Resources Representative	$6,500.00	$6,500.00	$6,500.00	$6,500.00
Accounting Manager	$12,008.00	$12,008.00	$12,008.00	$12,008.00
Purchasing Manager	$11,000.00	$11,000.00	$11,000.00	$11,000.00
Public Accountant	$8,300.00	$8,300.00	$8,300.00	$8,300.00
Stock Clerk	$3,600.00	$2,100.00	$55,700.00	$2,785.00
President	$24,000.00	$24,000.00	$24,000.00	$24,000.00
Accountant	$9,000.00	$6,900.00	$39,600.00	$7,920.00
Sales Manager	$14,000.00	$10,500.00	$61,000.00	$12,200.00
Sales Representative	$11,500.00	$6,100.00	$250,500.00	$8,350.00
Stock Manager	$8,200.00	$5,800.00	$36,400.00	$7,280.00
Administration Vice President	$17,000.00	$17,000.00	$34,000.00	$17,000.00
Public Relations Representative	$10,000.00	$10,000.00	$10,000.00	$10,000.00
Shipping Clerk	$4,200.00	$2,500.00	$64,300.00	$3,215.00
Finance Manager	$12,008.00	$12,008.00	$12,008.00	$12,008.00
Programmer	$9,000.00	$4,200.00	$28,800.00	$5,760.00
Marketing Manager	$13,000.00	$13,000.00	$13,000.00	$13,000.00
Administration Assistant	$4,400.00	$4,400.00	$4,400.00	$4,400.00
Marketing Representative	$6,000.00	$6,000.00	$6,000.00	$6,000.00
Purchasing Clerk	$3,100.00	$2,500.00	$13,900.00	$2,780.00

2- Escriba una consulta que muestre la cantidad de personas que tienen el mismo puesto y a cuánto asciende la suma total de sus salarios.
El resultado debe mostrarse en orden descendente por el puesto que tiene la mayor cantidad de empleados.

SQL Worksheet

Clear Find

```
1  SELECT
2  j.job_title AS "Puesto",
3  COUNT(e.job_id) AS "Total Empleados",
4  TO_CHAR(ROUND(SUM(e.salary),2),'$999,999.00') AS "Salario Total"
5  FROM hr.employees e INNER JOIN hr.jobs j ON e.job_id=j.job_id
6  GROUP BY j.job_title
7  ORDER BY 2 DESC
```

Puesto	Total Emplead
Sales Representative	30
Shipping Clerk	20
Stock Clerk	20
Accountant	5
Stock Manager	5
Purchasing Clerk	5
Sales Manager	5
Programmer	5
Administration Vice President	2
Administration Assistant	1
Marketing Manager	1
Finance Manager	1

Puesto	Total Empleados	Salario Total
Sales Representative	30	$250,500.00
Shipping Clerk	20	$64,300.00
Stock Clerk	20	$55,700.00
Accountant	5	$39,600.00
Stock Manager	5	$36,400.00
Purchasing Clerk	5	$13,900.00
Sales Manager	5	$61,000.00
Programmer	5	$28,800.00
Administration Vice President	2	$34,000.00
Administration Assistant	1	$4,400.00
Marketing Manager	1	$13,000.00
Finance Manager	1	$12,008.00
Public Relations Representative	1	$10,000.00
President	1	$24,000.00
Public Accountant	1	$8,300.00
Accounting Manager	1	$12,008.00
Marketing Representative	1	$6,000.00
Human Resources Representative	1	$6,500.00
Purchasing Manager	1	$11,000.00

3- Escriba una consulta para mostrar la diferencia entre el salario más alto y el salario más bajo. Etiquete la columna como «Diferencia Salarial».

SQL Worksheet

Clear Find

```
1  SELECT
2  TO_CHAR(ROUND(MAX(salary),2),'$99,999.00') AS "Salario Máximo",
3  TO_CHAR(ROUND(MIN(salary),2),'$99,999.00') AS "Salario Mínimo",
4  TO_CHAR(ROUND(MAX(salary) - MIN(salary),2),'$99,999.00') AS "Diferencia Salarial"
5  FROM hr.employees
```

Salario Máximo	Salario Mínimo	Diferencia Salarial
$24,000.00	$2,100.00	$21,900.00

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Salario Maximo	Salario Minimo	Diferencia Salarial
$24,000.00,	$2,100.00	$21,900.00

4- Escriba una consulta para mostrar el número de empleado y apellidos de todos los empleados que ganan por encima del salario promedio.

SQL Worksheet

Clear Find

```
1  SELECT
2  employee_id "Número Empleado",
3  last_name "Apellidos Empleado",
4  TO_CHAR(ROUND(salary,2),'$99,999.00') "Salario Empleado"
5  FROM hr.employees
6  WHERE salary>(SELECT AVG(salary) from hr.employees)
```

Número Empleado	Apellidos Empleado	Salario Empleado
100	King	$24,000.00
101	Kochhar	$17,000.00
102	De Haan	$17,000.00
103	Hunold	$9,000.00
108	Greenberg	$12,008.00
109	Faviet	$9,000.00
110	Chen	$8,200.00
111	Sciarra	$7,700.00
112	Urman	$7,800.00
113	Popp	$6,900.00
114	Raphaely	$11,000.00
120	Weiss	$8,000.00

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111	Sciarra	$7,700.00
112	Urman	$7,800.00
113	Popp	$6,900.00
114	Raphaely	$11,000.00
120	Weiss	$8,000.00

121	Fripp	$8,200.00
122	Kaufling	$7,900.00
123	Vollman	$6,500.00
145	Russell	$14,000.00
146	Partners	$13,500.00
147	Errazuriz	$12,000.00
148	Cambrault	$11,000.00
149	Zlotkey	$10,500.00
150	Tucker	$10,000.00
151	Bernstein	$9,500.00
152	Hall	$9,000.00
153	Olsen	$8,000.00
154	Cambrault	$7,500.00
155	Tuvault	$7,000.00
156	King	$10,000.00
157	Sully	$9,500.00
158	McEwen	$9,000.00
159	Smith	$8,000.00
160	Doran	$7,500.00

5- Muestre los nombres y apellidos (es una sola columna), nombre del departamento y el nombre del puesto de todos los empleados cuyo código de ubicación de departamento (LOCATION_ID) es 1700.
El resultado debe mostrarse en orden ascendente por el apellido del empleado.

SQL Worksheet

Clear Find

```
1  SELECT
2  (first_name || ' ' || last_name) "Nombres Empleado",
3  d.department_name "Departamento",
4  j.job_title "Puesto"
5  FROM hr.employees e
6  INNER JOIN hr.departments d ON e.department_id=d.department_id
7  INNER JOIN hr.jobs j ON e.job_id=j.job_id
8  WHERE d.location_id=1700
9  ORDER BY e.last_name ASC
10
```

Nombres Empleado	Departamento	Puesto
Shelli Baida	Purchasing	Purchasing Clerk
John Chen	Finance	Accountant
Karen Colmenares	Purchasing	Purchasing Clerk
Lex De Haan	Executive	Administration Vice President
Daniel Faviet	Finance	Accountant
William Gietz	Accounting	Public Accountant
Nancy Greenberg	Finance	Finance Manager
Shelley Higgins	Accounting	Accounting Manager
Guy Himuro	Purchasing	Purchasing Clerk
Alexander Khoo	Purchasing	Purchasing Clerk
Steven King	Executive	President
Neena Kochhar	Executive	Administration Vice President
Luis Popp	Finance	Accountant
Den Raphaely	Purchasing	Purchasing Manager
Ismael Sciarra	Finance	Accountant
Sigal Tobias	Purchasing	Purchasing Clerk
Jose Manuel Urman	Finance	Accountant
Jennifer Whalen	Administration	Administration Assistant