

## UNIVERSIDAD AUTÓNOMA DE ZACATECAS INGENIERÍA DE SOFTWARE SISTEMAS DE BASE DE DATOS II

TITULO:		Ejercicio del Capítulo 6					
OBJETIVO:		Realizar ejercicios sobre el Capítulo 6					
DURACIÓ	N:						
FECHA:							
FECHA D	E ENTREGA:						
ACTIVIDADES A REALIZAR:							
ACTIVIDAD 1: Elabore las siguientes consultas sobre la base de datos HR:							
1. Mencio	one los diferentes	tipos de uniones que maneja Oracle.					
2. Mencio	one las característi	cas de un NATURAL JOIN.					
3. Expliqu	ue las diferencias	entre un NATURAL JOIN y un JOIN USING.					
4. Expliqu	ue el funcionamie	nto de cada una de las siguientes consultas:					
Quer wher Quer	y 2: select e locations. y 3: select	<pre>* from locations natural join countries; * from locations, countries country_id = countries.country_id; * from jobs natural join countries; * from jobs, countries;</pre>					
5. Expliqu	ue el funcionamie	nto de cada una de las siguientes consultas:					
Query where	2: select * locations.c	<pre>from locations join countries using (country_id); from locations, countries ountry_id = countries.country_id; from jobs join countries using;</pre>					

6. Elabore una sentencia SELECT que muestre el siguiente resultado:

	EMPLOYEE_ID	LAST_NAME	START_DATE	HIRE_DATE	END_DATE	PREVIOUS_JOB	CURRENT_JOB
1	200	Whalen	17/SEP/87	17/SEP/87	17/JUN/93	AD_ASST	AD_ASST
2	201	Hartstein	17/FEB/96	17/FEB/96	19/DEC/99	MK_REP	MK_MAN
3	101	Kochhar	21/SEP/89	21/SEP/89	27/OCT/93	AC_ACCOUNT	AD_VP
4	102	De Haan	13/JAN/93	13/JAN/93	24/JUL/98	IT_PROG	AD_VP
5	176	Taylor	24/MAR/98	24/MAR/98	31/DEC/98	SA_REP	SA_REP
6	176	Taylor	24/MAR/98	24/MAR/98	31/DEC/99	ST_CLERK	SA_REP

7. Elabore una sentencia SELECT que muestre el siguiente resultado:

	2 Managers
1	Jennifer Whalen is manager of the Administration department.
2	Michael Hartstein is manager of the Marketing department.
3	Susan Mavris is manager of the Human Resources department.
4	Hermann Baer is manager of the Public Relations department.
5	Shelley Higgins is manager of the Accounting department.
6	Steven King is manager of the Executive department.
7	Alexander Hunold is manager of the IT department.
8	Nancy Greenberg is manager of the Finance department.
9	Den Raphaely is manager of the Purchasing department.
10	Adam Fripp is manager of the Shipping department.
11	John Russell is manager of the Sales department.

8. Explique el funcionamiento de cada una de las siguientes consultas:

```
Query 1: select d.department_name from departments d join locations 1 on (l.LOCATION_ID=d.LOCATION_ID) where d.department_name like 'P%'
```

```
Query 2: select d.department_name from departments d
join locations l on
(l.LOCATION_ID=d.LOCATION_ID and d.department_name like 'P%')
```

9. Elabore las sentencias necesarias para crear la tabla e insertar los datos de lo siguiente:

JOB\_GRADES

Г	82	GRADE_LEVEL	LOWEST_SAL	HIGHEST_SAL
1	L A		1000	2999
2	2 B		3000	5999
٠	<b>C</b>		6000	9999
4	4 D		10000	14999
1	5 E		15000	24999
6	5 F		25000	40000

10. Elabore una sentencia SELECT que muestre el siguiente resultado:



11. Explique el funcionamiento de cada una de las siguientes consultas:

```
Query 1: select e.employee_id, e.department_id EMP_DEPT_ID, d.department_id DEPT_DEPT_ID, d.department_name from departments d left outer join employees e on (d.DEPARTMENT_ID=e.DEPARTMENT_ID) where d.department_name like 'P%' Query 2: select e.employee_id, e.department_id EMP_DEPT_ID, d.department_id DEPT_DEPT_ID, d.department_name from departments d join employees e on (d.DEPARTMENT_ID=e.DEPARTMENT_ID) where d.department_name like 'P%'
```

12. Elabore una sentencia SELECT que muestre el siguiente resultado:

	JOBS IN JOB_HISTORY	JOBS IN EMPLOYEES
1	AC_ACCOUNT	AC_ACCOUNT
2	AC_MGR	AC_MGR
3	AD_ASST	AD_ASST
4	IT_PROG	IT_PROG
5	MK_REP	MK_REP
6	SA_MAN	SA_MAN
7	SA_REP	SA_REP
8	ST_CLERK	ST_CLERK
9	(null)	AD_PRES
10	(null)	AD_VP
11	(null)	FI_ACCOUNT
12	(null)	FI_MGR.
13	(null)	HR_REP
14	(null)	MK_MAN
15	(null)	PR_REP
16	(null)	PU_CLERK
17	(null)	PU_MAN
18	(null)	SH_CLERK
19	(null)	ST_MAN

13. Elabore una sentencia SELECT que muestre el siguiente resultado:



14. Explique el funcionamiento de la siguiente consulta:

REGION	Janue			COUNTRY_NAME	
Asia				Argentina	
Asia				Australia	
Asia				Belgium	
Asia				Brazil	
Asia				Canada	
Asia				China	
Asia				Denmark	
Asia				Egypt	
Asia				France	
Asia				Germany	
Asia				HongKong	
Asia				India	
Asia				Israel	
Asia				Italy	
Asia				Japan	
Asia				Kuwait	
Isia				Mexico	
sia				Netherlands	
Isia				Nigeria	
Isia				Singapore	
Isia				Switzerland	
sia				United Kingdom	
Asia				United States of	America
Asia				Zambia	
Asia				Zimbabwe	
Middle	East	and	Africa	Argentina	
			Africa	Australia	
Middle	East	and	Africa	Belgium	
Middle	East	and	Africa	Brazil	
Middle	East	and	Africa	Canada	
Middle	East	and	Africa	China	
Middle	Fast	and	Africa	Denmark	
			Africa	Egypt	
			Africa	France	
			Africa	Germany	
			Africa	HongKong	
			Africa	India	
			Africa	Israel	
			Africa	Italy	
			Africa	Japan	
			Africa	Kuwait	
			Africa	Mexico	
			Africa	Netherlands	
			Africa	Nigeria	
			Africa	Singapore	
			Africa	Switzerland	
Middle			Africa	United Kingdom	
Middle			Africa	United States of	Omenica
			Africa	Zambia	merica

50 rows selected.

15. Elabore una Sentencia SELECT que muestre todos los empleados que hay registrados en la tabla, y en de que tengan un departamento asignado, mostrar el nombre de dicho departamento.

ACTIVIDAD 2: Para la base de datas de "Hotel", elabore 3 sentencias SELECT para cada uno de los siguientes tipos de JOIN:

- NATURAL JOIN
- JOIN USING
- JOIN ON
- SELF-JOIN\*
- NONEQUIJOIN\*
- LEFT OUTER JOIN
- RIGHT OUTER JOIN
- FULL OUTER JOIN
- CROSS JOIN