

Funciones:

/*****FUNCIONES CARACTER*****/

SELECT * FROM LOCATIONS WHERE LENGTH(STREET_ADDRESS)>=15 AND COUNTRY_ID IN ('CA','US');

	LOCATION_ID	STREET_ADDRESS	POSTAL_CODE	CITY	STATE_PROVINCE	COUNTRY_ID
1	1400	2014 Jabberwocky Rd	26192	Southlake	Texas	US
2	1500	2011 Interiors Blvd	99236	South San Francisco	California	US
3	1700	2004 Charade Rd	98199	Seattle	Washington	US
4	1800	147 Spadina Ave	M5V 2L7	Toronto	Ontario	CA
5	1900	6092 Boxwood St	Y5W 9T2	Whitehorse	Yukon	CA

SELECT FIRST_NAME, LENGTH(FIRST_NAME) AS "LONGITUD DEL NOMBRE", LAST_NAME, SALARY*14 AS "SALARIO ANUAL" FROM EMPLOYEES WHERE SUBSTR(LAST_NAME,4) like '%b%';

	FIRST_NAME	LONGITUD DEL NOMBRE	LAST_NAME	SALARIO ANUAL
1	Valli	5	Pataballa	67200
2	Nancy	5	Greenberg	168112
3	Gerald	6	Cambrault	154000
4	Nanette	7	Cambrault	105000

SELECT * FROM EMPLOYEES WHERE SALARY BETWEEN 4000 AND 7000 AND INSTR(LOWER(FIRST_NAME),'a')<>0 AND COMMISSION_PCT is not null;

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	161	Sarath	Sewall	SSEWALL	011.44.1345.529268	03/11/06	SA_REP	7000	0,25	146	80
2	165	David	Lee	DLEE	011.44.1346.529268	23/02/08	SA_REP	6800	0,1	147	80
3	166	Sundar	Ande	SANDE	011.44.1346.629268	24/03/08	SA_REP	6400	0,1	147	80
4	167	Amit	Banda	ABANDA	011.44.1346.729268	21/04/08	SA_REP	6200	0,1	147	80
5	173	Sundita	Kumar	SKUMAR	011.44.1343.329268	21/04/08	SA_REP	6100	0,1	148	80
6	179	Charles	Johnson	CJOHNSON	011.44.1644.429262	04/01/08	SA_REP	6200	0,1	149	80

SELECT FIRST_NAME, LAST_NAME,CONCAT(SUBSTR(FIRST_NAME, 1, 1), CONCAT(' ',CONCAT(SUBSTR(LAST_NAME,1,1),' '))) AS "INICIALES" FROM EMPLOYEES;

	FIRST_NAME	LAST_NAME	INICIALES
1	Steven	King	S.K.
2	Neena	Kochhar	N.K.
3	Lex	De Haan	L.D.
4	Alexander	Hunold	A.H.
5	Bruce	Ernst	B.E.
6	David	Austin	D.A.

SELECT * FROM EMPLOYEES WHERE SUBSTR(FIRST_NAME,1,1)='S' OR
SUBSTR(LAST_NAME,1,1)='S';

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	100	Steven	King	SKING	515.123.4567	17/06/03	AD_PRES	24000	(null)	(null)	90
2	111	Ismael	Sciarra	ISCIARRA	515.124.4369	30/09/05	FI_ACCOUNT	7700	(null)	108	100
3	116	Shelli	Baida	SBAIDA	515.127.4563	24/12/05	PU_CLERK	2900	(null)	114	30
4	117	Sigal	Tobias	STOBIAS	515.127.4564	24/07/05	PU_CLERK	2800	(null)	114	30
5	123	Shanta	Vollman	SVOLLMAN	650.123.4234	10/10/05	ST_MAN	6500	(null)	100	50
6	128	Steven	Markle	SMARKLE	650.124.1434	08/03/08	ST_CLERK	2200	(null)	120	50

SELECT FIRST_NAME, LENGTH(first_name), LAST_NAME, SALARY*14 FROM EMPLOYEES WHERE
INSTR(LAST_NAME,'b') > 3;

	FIRST_NAME	SALARY	ESTRELLAS
1	Steven	24000	*****
2	Neena	17000	*****
3	Lex	17000	*****
4	John	14000	*****
5	Karen	13500	*****
6	Michael	13000	*****

/***FUNCIONES NUMERICAS*****/**

SELECT EMPLOYEE_ID, FIRST_NAME, SALARY FROM EMPLOYEES WHERE
MOD(EMPLOYEE_ID,2)<>0;

EMPLOYEE_ID	FIRST_NAME	SALARY
101	Neena	17000
103	Alexander	9000
105	David	4800
107	Diana	4200
109	Daniel	9000
111	Ismael	7700

PRUEBAS DE TRUNC Y ROUND:

SELECT TRUNC(25.67,0), ROUND(25.67,0) FROM DUAL;

	TRUNC(25.67,0)	ROUND(25.67,0)
1	25	26

SELECT TRUNC(25.67,1), ROUND(25.67,1) FROM DUAL;

	TRUNC(25.67,1)	ROUND(25.67,1)
1	25,6	25,7

SELECT TRUNC(25.34,1), ROUND(25.34,1) FROM DUAL;

	TRUNC(25.34,1)	ROUND(25.34,1)
1	25,3	25,3

SELECT TRUNC(25.34,2), ROUND(25.34,2) FROM DUAL;

	TRUNC(25.34,2)	ROUND(25.34,2)
1	25,34	25,34

SELECT TRUNC(25.67,-1), ROUND(25.67,-1) FROM DUAL;

	TRUNC(25.67,-1)	ROUND(25.67,-1)
1	20	30

/*****FUNCIONES DE FECHA*****/

SELECT FIRST_NAME, HIRE_DATE, TRUNC(SYSDATE-HIRE_DATE,0) AS "DIAS TRABAJADOS"
FROM EMPLOYEES;

	FIRST_NAME	HIRE_...	DIAS TRABAJADOS
1	Steven	17/06/03	7402
2	Neena	21/09/05	6575
3	Lex	13/01/01	8287
4	Alexander	03/01/06	6471
5	Bruce	21/05/07	5968
6	David	25/06/05	6663

SELECT SYSDATE+15 AS "FECHA DENTRO DE 15 DIAS" FROM DUAL;

	FECHA DENTRO DE 15 DIAS
1	07/10/23

SELECT ROUND(MONTHS_BETWEEN(TO_DATE('24/12/2023','DD/MM/YYYY'),SYSDATE),1) AS
"MESES HASTA NAVIDAD" FROM DUAL;

	MESES HASTA NAVIDAD
1	3

SELECT HIRE_DATE, LAST_DAY(HIRE_DATE) AS "ULTIMO DIA DEL MES" FROM EMPLOYEES;

	HIRE_DATE	ULTIMO DIA DEL MES
1	17/06/03	30/06/03
2	21/09/05	30/09/05
3	13/01/01	31/01/01
4	03/01/06	31/01/06
5	21/05/07	31/05/07
6	25/06/05	30/06/05

SELECT * FROM EMPLOYEES WHERE ROUND(LAST_DAY(HIRE_DATE)-HIRE_DATE)<=15;

	EMPLOYEE_ID	FIRST_NAME	LAST_N...	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
53	196	Alana	Walsh	AWALSH	650.507.9811	24/04/06	SH_CLERK	3100	(null)	124	50
54	197	Kevin	Feeney	KFEENEY	650.507.9822	23/05/06	SH_CLERK	3000	(null)	124	50
55	198	Donald	OConnell	DOCONNEL	650.507.9833	21/06/07	SH_CLERK	2600	(null)	124	50
56	200	Jennifer	Whalen	JWHALEN	515.123.4444	17/09/03	AD_ASST	4400	(null)	101	10
57	201	Michael	Hartstein	MHARTSTE	515.123.5555	17/02/04	MK_MAN	13000	(null)	100	20
58	202	Pat	Fay	PFAY	603.123.6666	17/08/05	MK_REP	6000	(null)	201	20