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| **FUNCTION** | **PURPOSE** | **QUERY** | **OUTPUT SAMPLE** |
| LOWER | Returns string arguments respectively | select employee\_id, first\_name, department\_id from hr.employees where lower(first\_name)='neena'; | EMPLOYEE\_ID 101  FIRST\_NAME NEENA  DEPARTMENT\_ID 90 |
| UPPER | Returns string arguments respectively | select employee\_id, first\_name, last\_name, department\_id from hr.employees where upper(first\_name)='STEVEN'; | EMPLOYEE\_ID 100  FIRST\_NAME Steven  LAST\_NAME King  DEPARTMENT\_ID 90  EMPLOYEE\_ID 128  FIRST\_NAME Steven  LAST\_NAME Markle  DEPARTMENT\_ID 90 |
| CONCAT | concatenate two strings to form a single string. | select hire\_date, job\_id, concat(first\_name, last\_name) as Fullname from hr.employees where employee\_id = 100; | HIRE\_DATE 17-JUN-2003  JOB\_ID AD-PRESS  FULLNAME Stevenking |
| INSTR  SUBSTR | find the starting location of a pattern in a string  return a portion of string | select instr(last\_name, 'a') from hr.employees where last\_name = 'Markle';  select substr(last\_name, 3) from hr.employees where last\_name = 'Markle'; | INSTR (LAST\_NAME,'A')  2  SUBSTR(LAST\_NAME,3)  rkle |
| LPAD  RPAD  REPLACE | Returns left-padded to length  Returns right-padded to length  replaces a sequence of characters in a string with another set of characters | select lpad('himabindu ', 20, '\*.') "lpad", rpad('himabindu', 20, '\*.') "rpad", replace('sindu', 's', 'b')"replace" from dual; | LPAD \*.\*.\*.\*.\*.himabindu  RPAD himabindu\*.\*.\*.\*.\*.\*  REPLACE bindu |
| ROUND  TRUNC  MOD | round a numeric field to the number of decimals specified  reduce the precision of its first numeric  returns the remainder from a division | select round(123.678,2) "ROUND", trunc(123.678,-2) "TRUNC", mod(1200, 320) "MODULUS" from dual; | ROUND 123.68  TRUNC 100  MODULUS 240 |
| SYSDATE  NEXT\_DAY | returns the current date and time set for the operating system  Next day date specified | select concat(first\_name, last\_name) "FULLNAME", (sysdate-hire\_date)/7 "WEEKS" from hr.employees where employee\_id = 128;  select next\_day('04-JUL-1989', 'tuesday') as dummydate  from dual; | FULLNAME  StevenMarkle  WEEKS  447.694393187830687830687830687830687831  DUMMYDATE 11-JUL-89 |
| MONTHS\_  BETWEEN  ROUND  (SYSDATE) | In between no of months  To specified year or date or month | select months\_between('12-JAN-16', '12-SEP-12') "Total", round(sysdate, 'year') "Specified" from dual; | Total Specified  40 01-JAN-17 |
| TO\_CHAR  TO\_NUMBER  TO\_DATE | conversions | select concat(first\_name, last\_name) "Fullname",to\_char(hire\_date, 'DD-MON-YYYY') "Todate" from hr.employees where hire\_date <=to\_date('01-JUN-02', 'DD-MON-RR'); | Fullname Todate LexDe Haan 13-JAN-2001 |
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