# NUMBER FORMATS

| FORMAT CHARACTER | MEANING |
|---|---|
| 9 | WILL DISPLAY SPACE IF DIGIT IS MISSING |
| 0 | WILL DISPLAY ZERO IF DIGIT IS MISSING |
| . | DEFAULT DECIMAL SEPARATOR |
| , | DEFAULT GROUP/THOUSAND SEPARATOR |
| G | TO USE NEW GROUP SEPARATOR |
| D | TO USE NEW DECIMAL SEPARATOR |
| $ | DEFAULT CURRENCY SYMBOLE |
| L | TO USE NEW LOCAL CURRENCY SYMBOLE |
| U | TO USE EURO/DUAL CURRENCY SYMBOLE |
| S | TO DISPLAY +/- SIGN TO SPECIFY WHETHER VALUE IS POSITIVE OR NEGATIVE |
| MI | WILL DISPLAY – IF VALUE IS NEGATIVE (USED ONLY AS SUFFIX) |
| PR | WILL DISPLAY NEGATIVE VALUES IN <> (USED ONLY AS SUFFIX) |
| EEEE | TO DISPLAY VALUE IN SCIENTIFIC NOTATION/EXPONENT FORMAT(eeee CAN ALSO BE USED) |
| V | TO CONVERT ABBREVIATED VALUE INTO ACTUAL VALUE. |

# DATE FORMATS

| FORMAT CHARACTER | MEANING |
| --- | --- |
| D | DAY NUMBER OF WEEK (SUN = 1, MON = 2 … SAT = 7) |
| DD | DAY NUMBER OF MONTH (1-31) |
| DDD | DAY NUMBER OF YEAR (1-366) |
| DY/dy/Dy | ABBREVIATED DAY NAME : WED/wed/Wed |
| DAY/day/Day | FULL DAY NAME : WEDNESDAY/wednesday/Wednesday |
| MM | MONTH NUMBER (JAN=1,FEB=2… DEC=12) |
| RM | ROMAN MONTH NUMBER JAN = I , FEB = II … AUG = VIII … DEC = XII |
| MON/mon/Mon | ABBREVIATED MONTH NAME : JAN/jan/Jan |
| MONTH/month/Month | FULL MONTH NAME : JANUARY/january/January |
| Y | LAST 1 DIGIT OF YEAR : IF CURRENT YEAR IS 2022 : IT WILL RETURN 2 |
| YY | LAST 2 DIGITS OF YEAR : IF CURRENT YEAR IS 2022 : IT WILL RETURN 22 |
| YYY | LAST 3 DIGITS OF YEAR : IF CURRENT YEAR IS 2022 : IT WILL RETURN 022 |
| YYYY | ALL DIGITS OF YEAR : IF CURRENT YEAR IS 2022 : IT WILL RETURN 2022 |
| RR | ONLY YEAR VALUE WITHOUT CENTRY : IF CURRENT YEAR IS 2022 : IT WILL RETURN 22 |
| RRRR | YEAR VALUE WITH CENTRY : IF CURRENT YEAR IS 2022 : IT WILL RETURN 2022 |
| TH | WILL CONVERT NUMBER VALUE INTO ORDINAL : IF TODAY'S DATE IS 2-APR-22 : DDTH WILL RETURN $2^{ND}$ |
| SP | WILL CONVERT NUMBER VALUE INTO SPELLING : IF TODAY'S DATE IS 2-APR-22 : DDSP WILL RETURN TWO, DDSPTH WILL RETURN SECOND |
| FX | FIXED FORMAT/EXACT FORMAT, IF WE WANT DATE VALUE IN SPECIFIED FORMAT ONLY. |
| FM | FILL MODE, WILL ADD/HIDE LEADING ZEROES FOR NUMBER VALUES AND TRAILING SPACES FOR CHARACTER TYPE VALUES. IT IS TOGGLE TYPE. I.E. WE CAN USE IT MULTIPLE TIMES WITHIN SINGLE FORMAT TO MAKE IT ON AND OFF. |
| W | WEEK NUMBER OF MONTH. IF INPUT DATE IS 4-JUN-22. IT WILL RETURN 1. IF INPUT DATE IS 28-FEB-22, IT WILL RETURN 4. |
| WW | WEEK NUMBER OF YEAR. IF INPUT DATE IS 2-FEB-22, IT WILL RETURN 5. |
| Q | IT WILL RETURN QUARTER NUMBER IN WHICH INPUT DATE FALLS. FOR JAN-MAR IT WILL RETURN 1 AND SO ON. |
| J | IT WILL RETURN JULIAN DAY NUMBER, STARTING FROM 01-JAN-4712BC |
| HH/HH12 | IT WILL DISPLAY HOUR VALUE IN 12 HOUR FORMAT(1-12), I.E. WE NEED TO DISPLAY MERIDIAN INFO. TO CONFIRM ACTUAL TIME. |
| HH24 | IT WILL DISPLAY HOUR VALUE IN 24 HOUR FORMAT (0-23) |
| MI | IT WILL DISPLAY MINUTE VALUE (0-59) |
| SS | IT WILL DISPLAY SECOND VALUE (0-59) |
| SSSSS | IT WILL RETURN CURRENT SECOND OF THE DAY. (0-86399) |
| AM/am/Am/PM/pm/Pm | IT WILL DISPLAY MERIDIAN INFO. AM = ANTI MERIDIAN (BEFORE 12 NOON/MERIDIAN) , PM = POST/PAST MERIDIAN (AFTER 12 NOON) |
| A.M./a.m./P.M./p.m. | IT WILL DISPLAY MERIDIAN INFO. WITH . (DOT) AS SEPARATOR. A.M. = ANTI MERIDIAN (BEFORE 12 NOON/MERIDIAN) , P.M. = POST/PAST MERIDIAN (AFTER 12 NOON) |

NOTE : ALL FORMAT WHICH RETURNS CHARACTER/ALPHABET VALUES ARE CASE SENSITIVE.

SELECT TO_CHAR(HIRE_DATE,'DD') FROM EMPLOYEES; (IT WILL DISPLAY ON WHICH DAY OF MONTH THE EMPLOYEE WAS HIRED.)

SELECT TO_CHAR(SYSDATE,'Q') FROM DUAL; (IT WILL RETURN CURRENT QUARTER VALUE IN WHICH TODAY'S DATE FALLS)