Oracle Built in functions to SQL Server

|  |  |
| --- | --- |
| Oracle | SQL Server |
| DENSE\_RANK   * SELECT S.FNAME, S.LNAME , S.SALARY AS SALARY, * DENSE\_RANK() OVER (ORDER BY S.SALARY DESC) AS RANK * FROM STAFF S; | DENSE\_RANK  SELECT CUSTOMER\_NO, LNAME, DENSE\_RANK() over (ORDER BY BALANCE DESC) as RANK  FROM dbo.CUSTOMER |
| TOP\_N   * FROM (SELECT FNAME, LNAME ,SALARY, * RANK() OVER ( ORDER BY SALARY DESC) AS Top\_Ranks * FROM staff) * where Top\_Ranks <=3; | TOP\_N  SELECT \*  FROM (  SELECT CUSTOMER\_NO, LNAME, DENSE\_RANK() over (ORDER BY BALANCE DESC) RANKING  FROM dbo.CUSTOMER  ) as innertable  WHERE RANKING = 1 |
| BOTTOM\_N   * SELECT FNAME, LNAME ,SALARY, Bottom\_Ranks * FROM (SELECT FNAME, LNAME ,SALARY, * RANK() OVER ( ORDER BY SALARY ASC) AS Bottom\_Ranks * FROM staff) * where Bottom\_Ranks <=3; | BOTTOM\_N  SELECT \*  FROM (  SELECT CUSTOMER\_NO, LNAME, DENSE\_RANK() over (ORDER BY BALANCE ASC) RANKING  FROM dbo.CUSTOMER  ) as innertable  WHERE RANKING = 1 |
| NTILE   * NTILE(3) OVER ( ORDER BY S.SALARY DESC NULLS LAST) Tertile * FROM STAFF S; | NTILE  SELECT CUSTOMER\_NO, LNAME, BALANCE, NTILE(2) OVER ( ORDER BY BALANCE DESC) AS Decile  FROM CUSTOMER; |
| ROW\_NUMBER   * ROW\_NUMBER() OVER (PARTITION BY S.BRANCHNO ORDER BY S.LNAME NULLS LAST) "ROWNUM" * FROM STAFF S; | ROW\_NUMBER  SELECT ROW\_NUMBER() OVER(ORDER BY BALANCE DESC) AS ROWNUM, CUSTOMER\_NO, LNAME, BALANCE  FROM CUSTOMER; |
| RATIO\_TO\_REPORT   * SELECT S.BRANCHNO, SUM(S.SALARY) AS TOTAL, * RATIO\_TO\_REPORT(SUM(S.SALARY)) OVER() AS SALARY\_RATIO * FROM STAFF S * GROUP BY S.BRANCHNO; | RATIO\_TO\_REPORT  SELECT CUSTOMER\_NO, LNAME, BALANCE, (BALANCE/(SELECT SUM(BALANCE) FROM CUSTOMER)) AS RATIO\_TO\_REPORT  FROM CUSTOMER; |