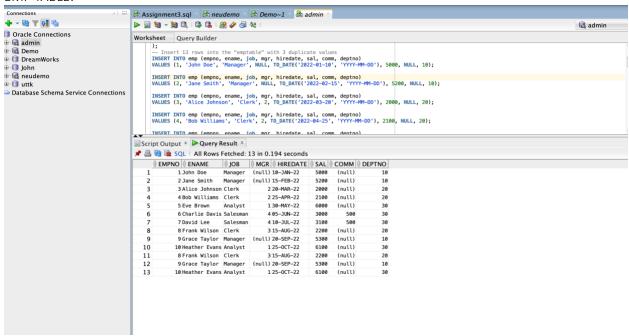
## ASSIGNMENT - 4

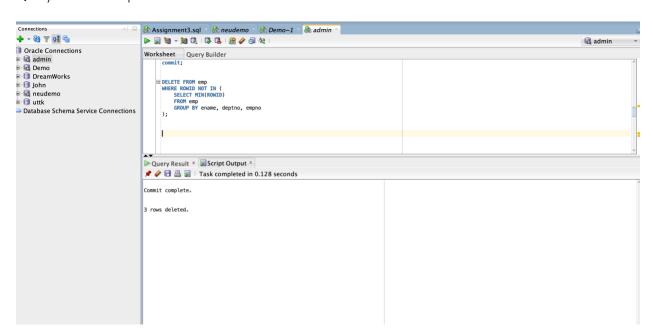
Name- Uttkarsh Bharadia NUID- 002872928

(1) Delete dupes in place from a table.

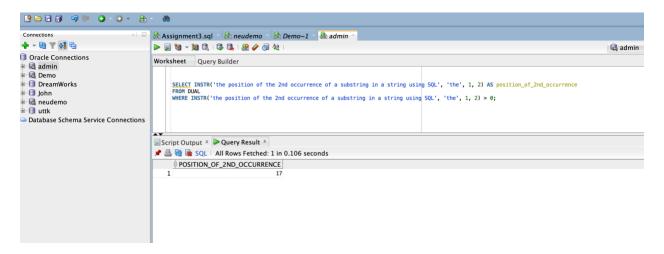
## EMP TABLE:



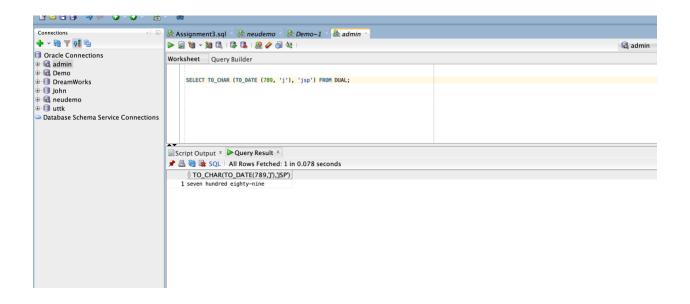
Query to delete duplicates:



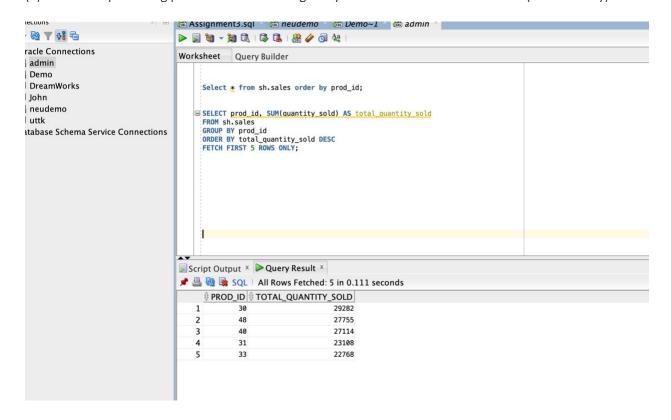
(2) Find the 2nd occurrence position after any input string.



(3) Print number in words (eg:123 should display one hundred twenty-three)



(4) Find the top 5 selling products without using analytical functions from SH schema (Sales History)



## **DDL SCRIPT:**

```
--Question 1:
CREATE TABLE emp (
  empno INT,
  ename VARCHAR(50),
 job VARCHAR(50),
  mgr INT,
  hiredate DATE,
  sal INT,
 comm INT,
 deptno INT
);
-- Insert 13 rows into the "emptable" with 3 duplicate values
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (1, 'John Doe', 'Manager', NULL, TO_DATE('2022-01-10', 'YYYY-MM-DD'), 5000, NULL, 10);
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (2, 'Jane Smith', 'Manager', NULL, TO DATE('2022-02-15', 'YYYY-MM-DD'), 5200, NULL, 10);
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (3, 'Alice Johnson', 'Clerk', 2, TO DATE('2022-03-20', 'YYYY-MM-DD'), 2000, NULL, 20);
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (4, 'Bob Williams', 'Clerk', 2, TO DATE('2022-04-25', 'YYYY-MM-DD'), 2100, NULL, 20);
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (5, 'Eve Brown', 'Analyst', 1, TO_DATE('2022-05-30', 'YYYY-MM-DD'), 6000, NULL, 30);
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (6, 'Charlie Davis', 'Salesman', 4, TO_DATE('2022-06-05', 'YYYY-MM-DD'), 3000, 500, 30);
INSERT INTO emp(empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (7, 'David Lee', 'Salesman', 4, TO DATE('2022-07-10', 'YYYY-MM-DD'), 3100, 500, 30);
INSERT INTO emp(empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (8, 'Frank Wilson', 'Clerk', 3, TO_DATE('2022-08-15', 'YYYY-MM-DD'), 2200, NULL, 20);
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (9, 'Grace Taylor', 'Manager', NULL, TO DATE('2022-09-20', 'YYYY-MM-DD'), 5300, NULL, 10);
INSERT INTO emp(empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (10, 'Heather Evans', 'Analyst', 1, TO DATE('2022-10-25', 'YYYY-MM-DD'), 6100, NULL, 30);
INSERT INTO emp(empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (8, 'Frank Wilson', 'Clerk', 3, TO DATE('2022-08-15', 'YYYY-MM-DD'), 2200, NULL, 20);
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (9, 'Grace Taylor', 'Manager', NULL, TO DATE('2022-09-20', 'YYYY-MM-DD'), 5300, NULL, 10);
```

```
INSERT INTO emp (empno, ename, job, mgr, hiredate, sal, comm, deptno)
VALUES (10, 'Heather Evans', 'Analyst', 1, TO_DATE('2022-10-25', 'YYYY-MM-DD'), 6100, NULL, 30);
select * from emp;
DELETE FROM emp
WHERE ROWID NOT IN (
  SELECT MIN(ROWID)
  FROM emp
  GROUP BY ename, deptno, empno
);
--Question 2:
SELECT INSTR('the position of the 2nd occurrence of a substring in a string using SQL', 'the', 1, 2) AS
position_of_2nd_occurrence
FROM DUAL
WHERE INSTR('the position of the 2nd occurrence of a substring in a string using SQL', 'the', 1, 2) > 0;
--Question 3:
SELECT TO_CHAR (TO_DATE (789, 'j'), 'jsp') FROM DUAL;
--Question 4
Select * from sh.sales order by prod_id;
SELECT prod_id, SUM(quantity_sold) AS total_quantity_sold
FROM sh.sales
GROUP BY prod id
ORDER BY total_quantity_sold DESC
FETCH FIRST 5 ROWS ONLY;
```