Queries for MODULE CHALLENGE #7

--Challenge

SELECT emp\_no, first\_name, last\_name

INTO new\_employees\_retirement1

FROM employees;

SELECT emp\_no, title, from\_date, to\_date

INTO new\_titles\_retirement1

FROM titles;

SELECT \* FROM new\_employees\_retirement1;

SELECT \* FROM new\_titles\_retirement1;

--JOINING EMPLOYEES TBLS WITH TITLES-----------

SELECT e.birth\_date,e.emp\_no, e.first\_name, e.last\_name,t.title, t.from\_date, t.to\_date

FROM employees as e

JOIN titles AS t ON

e.emp\_no = t.emp\_no

ORDER BY e.emp\_no

;

--CREATE NEW TABLE- 'joined emp\_titles' JOINING EMPLOYEES AND TITLES -WORKING-------------

SELECT e.birth\_date,e.emp\_no, e.first\_name, e.last\_name,t.title, t.from\_date, t.to\_date

INTO joined\_emp\_titles

FROM employees as e

JOIN titles AS t ON

e.emp\_no = t.emp\_no

ORDER BY e.emp\_no;

select \*

FROM joined\_emp\_titles;

--FILTERING JOINED TABLE BY DATE OF BIRTH

SELECT birth\_date,emp\_no,first\_name,last\_name,title,from\_date,to\_date

FROM joined\_emp\_titles

WHERE birth\_date BETWEEN '1952-01-01' AND '1955-12-31'

;

----- FINAL TABLE-----

--DELIVERABLE 1 FINAL TABLE joined retirement\_titles

SELECT emp\_no,first\_name,last\_name,title,from\_date,to\_date

INTO joined\_retirement\_titles

FROM joined\_emp\_titles

WHERE birth\_date BETWEEN '1952-01-01' AND '1955-12-31'

ORDER BY emp\_no ASC;

SELECT \*

FROM joined\_retirement\_titles;

--STEP 8 Deliverable 1 --------------

SELECT DISTINCT ON (emp\_no) emp\_no, first\_name, last\_name, title, from\_date, to\_date

FROM joined\_retirement\_titles

ORDER BY emp\_no,from\_date DESC;

--MOST RECENT RETIREMENT\_TITLES step 9 - 11

SELECT DISTINCT ON (emp\_no) emp\_no, first\_name, last\_name, title, from\_date, to\_date

FROM joined\_retirement\_titles

WHERE to\_date = '9999-01-01'

ORDER BY emp\_no,from\_date DESC;

---- FINAL TABLE "UNIQUE TITLES TABLE"

SELECT DISTINCT ON (emp\_no) emp\_no, first\_name, last\_name, title

INTO Unique\_Titles

FROM joined\_retirement\_titles

WHERE to\_date = '9999-01-01'

ORDER BY emp\_no,from\_date DESC;

SELECT \*

FROM Unique\_Titles;

----STEP 16 DELIVERABLE 1

-- QUERY TO GET THE RETIRING BY TITLE

SELECT title, count (emp\_no)

FROM Unique\_Titles

GROUP BY title

ORDER BY count (emp\_no) DESC;

--CREATING TABLE OF RETIRING TITLES TABLE step 20

SELECT title, count (emp\_no)

INTO Retiring\_Titles

FROM Unique\_Titles

GROUP BY title

ORDER BY count (emp\_no) DESC;

SELECT \*

FROM Retiring\_Titles;

-- DELIVERABLE 2

--STEPS 1-3

SELECT emp\_no, first\_name, last\_name, birth\_date

FROM employees;

SELECT from\_date, to\_date

FROM dept\_emp;

--JOINING EMPLOYEES AND DEPT\_EMP TABLES

SELECT e.emp\_no, e.first\_name, e.last\_name, e.birth\_date, d.from\_date, d.to\_date

FROM employees as e

JOIN dept\_emp as d

ON e.emp\_no=d.emp\_no;

--STEP 4-7

--JOINING EMPLOYEES/ DEPT\_EMP TABLES with TITLE

SELECT DISTINCT ON (e.emp\_no) e.emp\_no, e.first\_name, e.last\_name, e.birth\_date, d.from\_date, d.to\_date, t.title

FROM employees as e

JOIN dept\_emp as d

ON (e.emp\_no=d.emp\_no)

JOIN titles as t

ON (t.emp\_no=e.emp\_no);

--CREATING NEW TABLE DELIVERABLE 2 STEP 5

SELECT DISTINCT ON (e.emp\_no) e.emp\_no, e.first\_name, e.last\_name, e.birth\_date, d.from\_date, d.to\_date, t.title

FROM employees as e

JOIN dept\_emp as d

ON (e.emp\_no=d.emp\_no)

JOIN titles as t

ON (t.emp\_no=e.emp\_no)

WHERE (d.to\_date = '9999-01-01' AND (e.birth\_date BETWEEN '1965-01-01' AND '1965-12-31'))

ORDER BY e.emp\_no ASC;

--CREATING QUERY FOR NEW TABLE DELIVERABLE 2 STEP 5

SELECT DISTINCT ON (e.emp\_no) e.emp\_no, e.first\_name, e.last\_name, e.birth\_date, d.from\_date, d.to\_date, t.title

FROM employees as e

JOIN dept\_emp as d

ON (e.emp\_no=d.emp\_no)

JOIN titles as t

ON (t.emp\_no=e.emp\_no)

WHERE (d.to\_date = '9999-01-01' AND (e.birth\_date BETWEEN '1965-01-01' AND '1965-12-31'))

ORDER BY e.emp\_no ASC;

--CREATING FINAL TABLE FOR Deliverable 2

SELECT DISTINCT ON (e.emp\_no) e.emp\_no, e.first\_name, e.last\_name, e.birth\_date, d.from\_date, d.to\_date, t.title

INTO mentorship\_eligibility

FROM employees as e

JOIN dept\_emp as d

ON (e.emp\_no=d.emp\_no)

JOIN titles as t

ON (t.emp\_no=e.emp\_no)

WHERE (d.to\_date = '9999-01-01' AND (e.birth\_date BETWEEN '1965-01-01' AND '1965-12-31'))

ORDER BY e.emp\_no ASC;