ASSIGNMENT 4

NAME – JYOTHI CHANDANA VOLETI BATCH – DXC-262-ANALYTICS-B12-AZURE EMPLOYEE DOMAIN –AZURE ANALYTICS TRAINING UNDER – MANIPAL PRO LEARN DATE OF SUBMISSION – 2ND JUNE 2022 ROLL NUMBER – DXC-262-AB-1218 COMPANY – DXC TECHNOLOGY

TRAINER NAME – MR. AJAY KUMAR NO.OF CASES: 18

PROBLEM STATEMENT:

CREATE A TABLE AND WRITE THE QUERIES.

STEP 1: CREATE A TABLE AND INSERT VALUES INTO THE TABLE.

CREATE TABLE:

CREATE TABLE GLOBETECHTB231(EMP_ID INT NOT NULL, EMP_NAME VARCHAR(100) NOT NULL, JOB_NAME VARCHAR(100) NOT NULL, MANAGER_ID INTEGER, HIRE_DATE DATE NOT NULL, SALARY NUMBER(10,2) NOT NULL, COMMISSION NUMBER(10,2), DEP_ID INT NOT NULL, PRIMARY KEY(EMP_ID));

INSERTING VALUES:

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,COMMISSION,DEP_ID)

VALUES(65271,'WADE','SALESMAN',66928,TO_DATE('1991-02-22','YYYY-MM-DD'),1350.00,6 00.00,3001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP ID)

VALUES(69324,'MARKER','CLERK',67832,TO_DATE('1992-01-23','YYYY-MM-DD'),1400.00,10 01);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP_ID)

VALUES(69000,'JULIUS','CLERK',66928,TO_DATE('1991-12-03','YYYY-MM-DD'),1050.00,3001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP_ID)

VALUES(68736,'ADNRES','CLERK',67858,TO_DATE('1997-05-23','YYYY-MM-DD'),1200.00,20 01);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,COMMISSION,DEP_ID)

VALUES(68454,'TUCKER','SALESMAN',66928,TO_DATE('1991-09-08','YYYY-MM-DD'),1600.0 0,0.00,3001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,COMMISSION,DEP_ID)

VALUES(66564,'MADDEN','SALESMAN',66928,TO_DATE('1991-09-28','YYYY-MM-DD'),1350.0 0,1500.00,3001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,COMMISSION,DEP_ID)

VALUES(64989,'ADELYN','SALESMAN',66928,TO_DATE('1991-02-20','YYYY-MM-DD'),1700.0 0,400.00,3001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP ID)

VALUES(63679, 'SANDRINE', 'CLERK', 69062, TO_DATE('1990-12-18', 'YYYY-MM-DD'), 900.00, 2001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP ID)

VALUES(69062, 'FRANK', 'ANALYST', 65646, TO_DATE('1991-12-03', 'YYYY-MM-DD'), 3100.00, 2001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP ID)

VALUES(67858, 'SCARLET', 'ANALYST', 65646, TO_DATE('1997-04-19', 'YYYY-MM-DD'), 3100.00, 2001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP_ID)

VALUES(65646,'JONAS','MANAGER',68319,TO_DATE('1991-04-02','YYYY-MM-DD'),2957.00,2 001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP ID)

VALUES(67832,'CLARE','MANAGER',68319,TO_DATE('1991-06-09','YYYY-MM-DD'),2550.00,1 001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,D EP_ID)

VALUES(66928, 'BLAZE', 'MANAGER', 68319, TO_DATE('1991-05-01', 'YYYY-MM-DD'), 2750.00, 3 001);

INSERT INTO

GLOBETECHTB231(EMP_ID,EMP_NAME,JOB_NAME,HIRE_DATE,SALARY,DEP_ID) VALUES(68319,'KAYLING','PRESIDENT',TO_DATE('1991-11-18','YYYY-MM-DD'),6000.00,100 1);

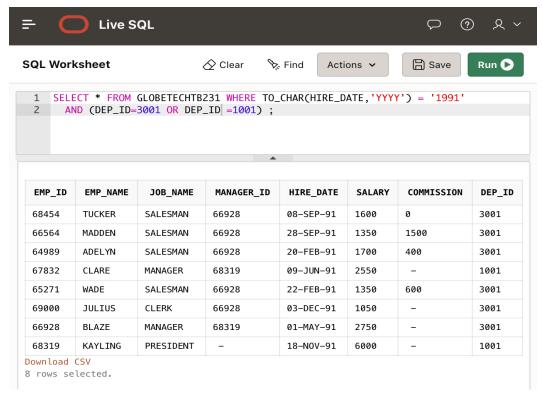
NOW TO VIEW THE TABLE CONTENT, USE THE QUERY:

SELECT * FROM GLOBETECHTB231; OUTPUT:

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	ect * m "GLOBETE	СНТВ231";						
EMP ID	EMP NAME	JOB NAME	MANAGER_ID	HIRE DATE	SALARY	COMMISSION	DEP ID	
_	_	_		_			_	
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001	
69324	MARKER	CLERK	67832	23-JAN-92	1400	_	1001	
69000	JULIUS	CLERK	66928	03-DEC-91	1050	_	3001	
68736	ADNRES	CLERK	67858	23-MAY-97	1200	-	2001	
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001	
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001	
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001	
63679	SANDRINE	CLERK	69062	18-DEC-90	900	_	2001	
69062	FRANK	ANALYST	65646	03-DEC-91	3100	_	2001	
67858	SCARLET	ANALYST	65646	19-APR-97	3100	_	2001	
65646	JONAS	MANAGER	68319	02-APR-91	2957	_	2001	
67832	CLARE	MANAGER	68319	09-JUN-91	2550	_	1001	
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	_	3001	
68319	KAYLING	PRESIDENT	_	18-N0V-91	6000	_	1001	

STEP 2: NOW WRITE THE QUERIES ACCORDING TO THE CASES GIVEN.

CASE 33: From the following table, write a SQL query to find those employees of department id 3001 or 1001 and joined in the year 1991. Return complete information about the employees. QUERY: SELECT * FROM GLOBETECHTB231 WHERE TO_CHAR(HIRE_DATE,'YYYY') = '1991' AND (DEP_ID =3001 OR DEP_ID =1001); OUTPUT:

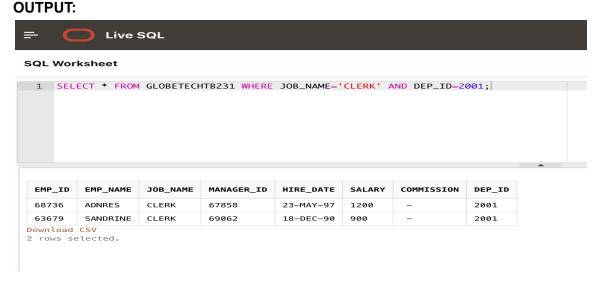


CASE 34: From the following table, write a SQL query to find those employees who are working for the department ID 1001 or 2001. Return complete information about the employees. **QUERY: SELECT * FROM GLOBETECHTB231 WHERE DEP_ID=1001 OR DEP_ID =2001**; **OUTPUT:**

QL Worl	ksheet			Find Acti	ons 🗸	🖺 Save	Run 🕒
1 SELE	FCT * FROM	GLOBETECHTB	231 WHERE DEF	2 TD-1001 OR	DEP TD -	2001 :	
_ 5000	i. Tron	GEODE LECTIO	LUL MENE DEI		DE1D	,	
			_				
EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_I
63679	SANDRINE	CLERK	69062	18-DEC-90	900	_	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
65646	JONAS	MANAGER	68319	02-APR-91	2957	_	2001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	_	1001
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001
	ADNRES	CLERK	67858	23-MAY-97	1200	-	2001
68736							

CASE 35: From the following table, write a SQL query to find those employees whose designation is 'CLERK' and work in the department ID 2001. Return complete information about the employees.

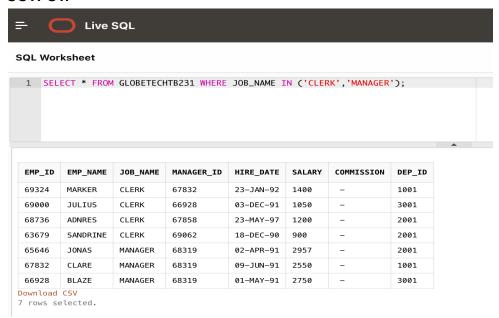
QUERY: SELECT * FROM GLOBETECHTB231 WHERE JOB_NAME='CLERK' AND DEP_ID=2001;



CASE 36: From the following table, write a SQL query to find those employees who are either CLERK or MANAGER. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE JOB_NAME IN ('CLERK','MANAGER');

OUTPUT:



CASE 37: From the following table, write a SQL query to find those employees who joined in any year except the month of February. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE TO_CHAR(HIRE_DATE,'MON') NOT IN ('FEB');

OUTPUT:

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L WOR	ksneet									
	ECT * FROM	GLOBETECH	TB231 WHERE	TO_CHAR(HIR	E_DATE,	I TON C'NOM'	N ('FEB');			
							•			
MP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID			
9324	MARKER	CLERK	67832	23-JAN-92	1400	_	1001			
9000	JULIUS	CLERK	66928	03-DEC-91	1050	_	3001			
8736	ADNRES	CLERK	67858	23-MAY-97	1200	_	2001			
8454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001			
6564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001			
3679	SANDRINE	CLERK	69062	18-DEC-90	900	_	2001			
9062	FRANK	ANALYST	65646	03-DEC-91	3100	_	2001			
7858	SCARLET	ANALYST	65646	19-APR-97	3100	_	2001			
5646	JONAS	MANAGER	68319	02-APR-91	2957	_	2001			
7832	CLARE	MANAGER	68319	09-JUN-91	2550	_	1001			
6928	BLAZE	MANAGER	68319	01-MAY-91	2750	_	3001			
				18-N0V-91	6000		1001			

CASE 38: From the following table, write a SQL query to find those employees who joined in the year 91. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE TO_CHAR(HIRE_DATE,'YYYY') = '1991';
OUTPUT:

L Wor	L Worksheet											
	ECT * FROM	GLOBETECH	TB231 WHERE	TO_CHAR(HIF	RE_DATE,	1' = C'YYYY	991';					
2												
MP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID					
55271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001					
9000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001					
8454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001					
6564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001					
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001					
9062	FRANK	ANALYST	65646	03-DEC-91	3100	_	2001					
5646	JONAS	MANAGER	68319	02-APR-91	2957	_	2001					
57832	CLARE	MANAGER	68319	09-JUN-91	2550	_	1001					
6928	BLAZE	MANAGER	68319	01-MAY-91	2750	_	3001					
	KAYLING	PRESIDENT	_	18-NOV-91	6000	_	1001					

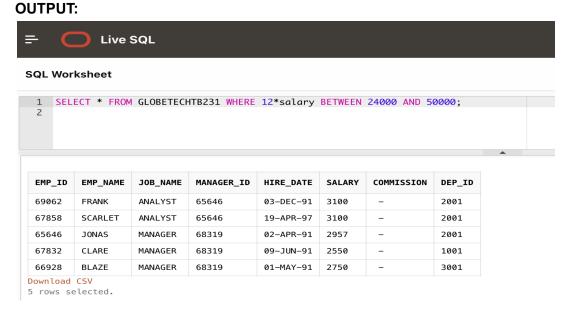
CASE 39: From the following table, write a SQL query to find those employees who joined in the month of June 1991. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE HIRE_DATE BETWEEN TO_DATE('1991-06-01','YYYY-MM-DD') AND TO_DATE('1991-06-30','YYYY-MM-DD'); OUTPUT:



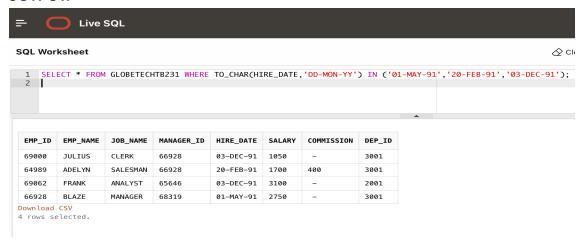
CASE 40: From the following table, write a SQL query to find all the employees whose annual salary is within the range 24000 and 50000 (Begin and end values are included.). Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE 12*salary BETWEEN 24000 AND 50000;



CASE 41: From the following table, write a SQL query to find all those employees who have joined on 1st May, 20th Feb, and 3rd Dec in the year 1991. Return complete information about the employees.

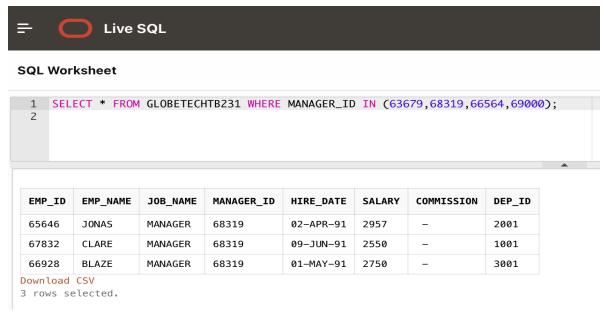
QUERY: SELECT * FROM GLOBETECHTB231 WHERE TO_CHAR(HIRE_DATE,'DD-MON-YY') IN ('01-MAY-91','20-FEB-91','03-DEC-91'); OUTPUT:



CASE 42: From the following table, write a SQL query to find those employees working under the managers 63679 or 68319 or 66564 or 69000. Return complete information about the employees.

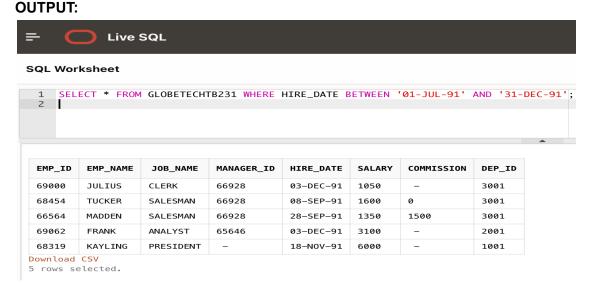
QUERY: SELECT * FROM GLOBETECHTB231 WHERE MANAGER_ID IN (63679,68319,66564,69000);

OUTPUT:



CASE 43: From the following table, write a SQL query to find those employees who joined after the month JUNE in the year 1991 and within this year. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE HIRE_DATE BETWEEN '01-JUL-91' AND '31-DEC-91';



CASE 44: From the following table, write a SQL query to find those employees who joined in the 90's. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE TO_CHAR(HIRE_DATE,'YY') BETWEEN '90' AND '99';

OUTPUT:

SEL							
I	ECT * FROM	GLOBETECH	ΓB231 WHERE	TO_CHAR(HIR	RE_DATE,'	YY') BETWEE	N '90' AN
MP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
5271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
9324	MARKER	CLERK	67832	23-JAN-92	1400	_	1001
9000	JULIUS	CLERK	66928	03-DEC-91	1050	_	3001
8736	ADNRES	CLERK	67858	23-MAY-97	1200	_	2001
8454	TUCKER	SALESMAN	66928	08-SEP-91	1600	Ø	3001
6564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
4989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
3679	SANDRINE	CLERK	69062	18-DEC-90	900	_	2001
9062	FRANK	ANALYST	65646	03-DEC-91	3100	_	2001
7858	SCARLET	ANALYST	65646	19-APR-97	3100	_	2001
5646	JONAS	MANAGER	68319	02-APR-91	2957	_	2001
50.0			68319	09-JUN-91	2550	_	1001
7832	CLARE	MANAGER	66319	05 5011 51			

CASE 45: From the following table, write a SQL query to find those managers who are in the department 1001 or 2001. Return complete information about the employees.

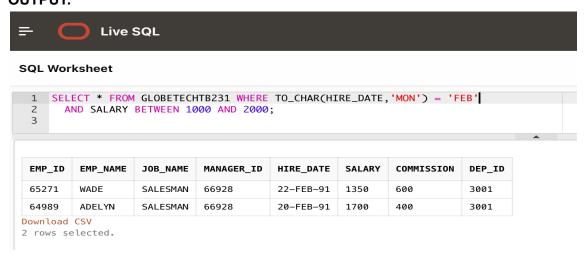
QUERY: SELECT * FROM GLOBETECHTB231 WHERE JOB_NAME = 'MANAGER' AND (DEP_ID = 1001 OR DEP_ID = 2001);

OUTPUT:



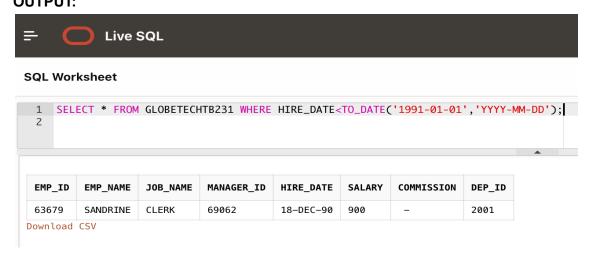
CASE 46: From the following table, write a SQL query to find those employees who joined in the month FEBRUARY with a salary range between 1001 to 2000 (Begin and end values are included.). Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE TO_CHAR(HIRE_DATE,'MON') = 'FEB' AND SALARY BETWEEN 1000 AND 2000;
OUTPUT:



CASE 47: From the following table, write a SQL query to find those employees who joined before or after the year 1991. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECHTB231 WHERE HIRE_DATE<TO_DATE('1991-01-01','YYYY-MM-DD'); OUTPUT:



CASE 48: From the following tables, write a SQL query to find employees along with department names. Return employee ID, employee name, job name, manager ID, hire date, salary, commission, department ID, and department name.

QUERY: THIS QUERY CANNOT BE WRITTEN AS THE DEPARTMENT NAME IS NOT IN THE TABLE.

CASE 49: From the following tables, write a SQL query to find those employees who earn 60000 in a year or not working as an ANALYST. Return employee name, job name, (12*salary) as Annual Salary, department ID, and grade.

QUERY: THIS QUERY CANNOT BE WRITTEN AS THE GRADE IS NOT IN THE TABLE.

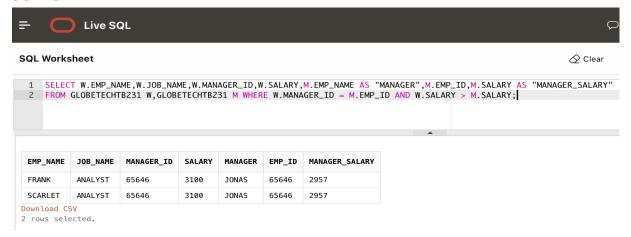
CASE 50: From the following table, write a SQL query to find those employees whose salary is higher than the salary of their managers. Return employee name, job name, manager ID, salary, manager name, manager's salary.

QUERY: SELECT

W.EMP_NAME,W.JOB_NAME,W.MANAGER_ID,W.SALARY,M.EMP_NAME AS "MANAGER",M.EMP_ID,M.SALARY AS "MANAGER_SALARY"

FROM GLOBETECHTB231 W,GLOBETECHTB231 M WHERE W.MANAGER_ID = M.EMP_ID AND W.SALARY;

OUTPUT:



CONCLUSION: ALL THE CASES WERE DONE UPTO MY KNOWLEDGE.