Assignment 1st June 2022

NAME: **ASHOK KUMAR** ROLL NUMBER: DXC-262-AB-

1233

BATCH: DXC-262-ANALYTICS-B12-AZURE COMPANY: DXC TECHNOLOGY

EMPLOYEE DOMAIN: AZURE ANALYTICS

TRAINING UNDER: MANIPAL PRO LEARN TRAINER NAME: MR. AJAY KUMAR

DATE OF SUBMISSION: 31ST MAY 2022 NO. OF CASES: 12

PROBLEM STATEMENT:

CREATE TABLE AND WRITE QUERIES.

STEP 1: CREATE TABLE AND INSERT VALUES INTO THE TABLE

CREATE TABLE:

CREATE TABLE GLOBETECH (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

GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,HIRE_DATE,SALARY,DEP_ID)

VALUES(68319,'KAYLING','PRESIDENT',TO_DATE('1991-11-18','YYYY-MM-DD'),6000.00,1001);

INSERT INTO

GLOBETECH(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'),2750.00,3001);

INSERT INTO

GLOBETECH(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'),2550.00,1001);

INSERT INTO

GLOBETECH(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'),2957.00,2001);

INSERT INTO

GLOBETECH(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

GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C OMMISSION,DEP_ID)

VALUES(68454,'TUCKER','SALESMAN',66928,TO_DATE('1991-09-08','YYYY-MM-DD'),1600.00,0.00,3001);

INSERT INTO

GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C OMMISSION,DEP_ID)

VALUES(66564, 'MADDEN', 'SALESMAN', 66928, TO_DATE('1991-09-28', 'YYYY-MM-DD'), 1350.00, 1500.00, 3001);

INSERT INTO

GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C OMMISSION,DEP_ID)

VALUES(64989,'ADELYN','SALESMAN',66928,TO_DATE('1991-02-20','YYYY-MM-DD'),1700.00,400.00,3001);

INSERT INTO

GLOBETECH(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

GLOBETECH(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

GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,C OMMISSION,DEP_ID)

VALUES(65271,'WADE','SALESMAN',66928,TO_DATE('1991-02-22','YYYY-MM-DD'),1350.00,600.00,3001);

INSERT INTO

GLOBETECH(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, 1001);

INSERT INTO

GLOBETECH(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

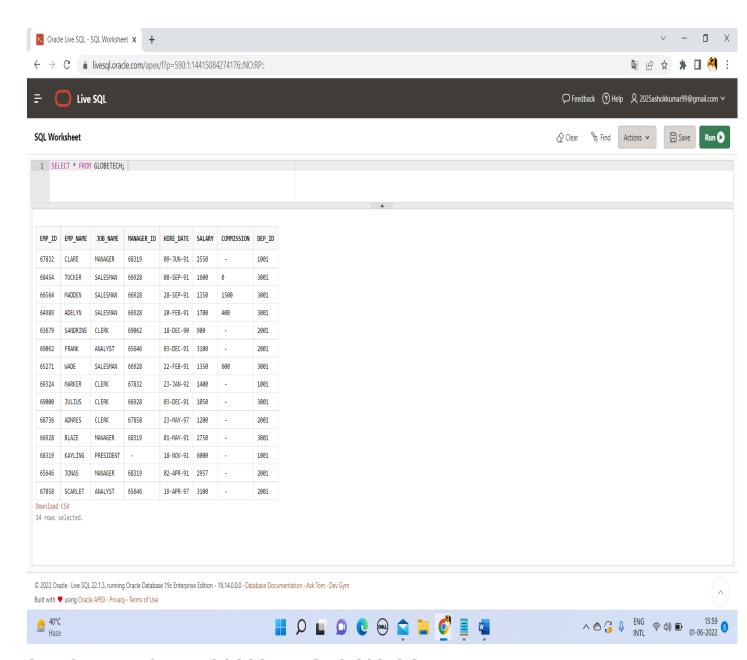
 ${\tt GLOBETECH(EMP_ID,EMP_NAME,JOB_NAME,MANAGER_ID,HIRE_DATE,SALARY,DEP_ID)}$

VALUES(68736,'ADNRES','CLERK',67858,TO_DATE('1997-05-23','YYYY-MM-DD'),1200.00,2001);

VIEWING THE TABLE CONTENT USING THE QUERY:

SELECT * FROM GLOBETECH;

OUTPUT:



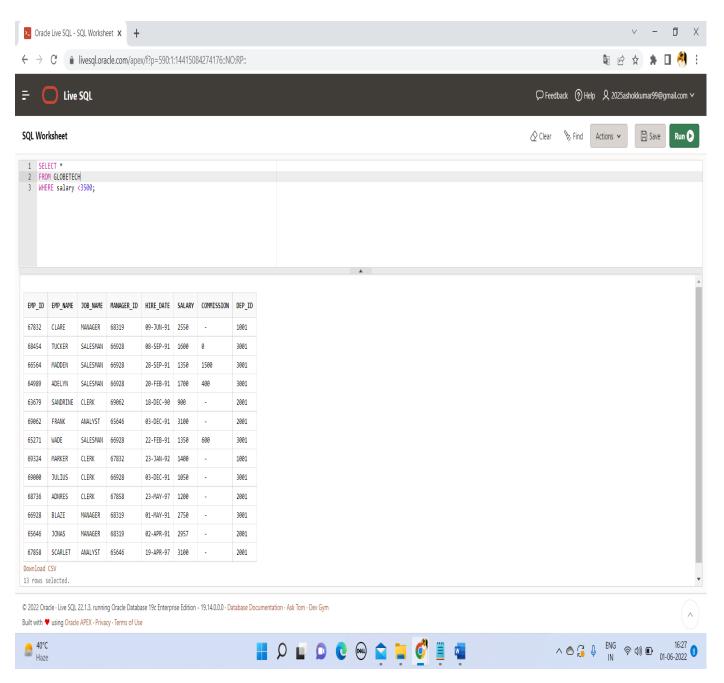
STEP 2: WRITE QUERIES ACCORDING TO CASES GIVEN

CASE 21: From the following table, write a SQL query to find those employees whose experience is more than 27 years. Return complete information about the employees.

QUERY:

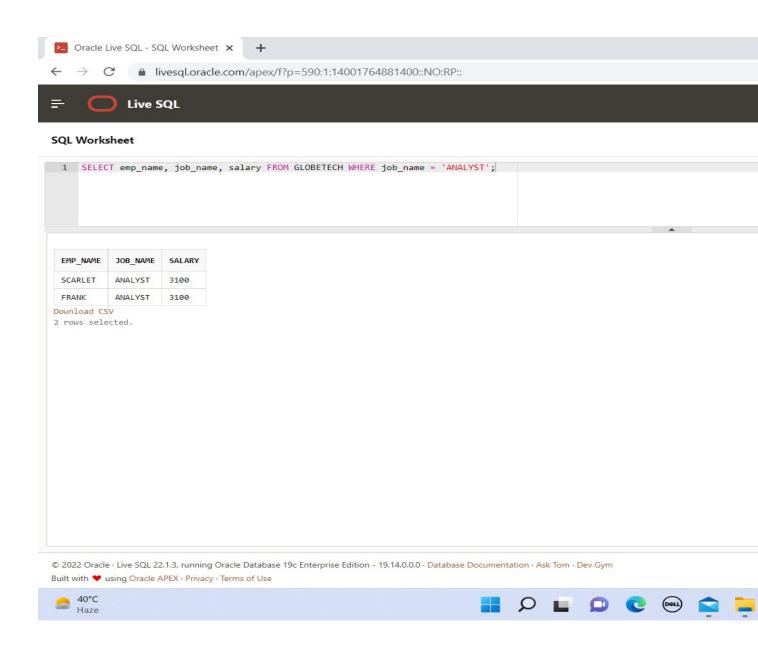
CASE 22: From the following table, write a SQL query to find those employees whose salaries are less than 3500. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECH WHERE salary <3500;



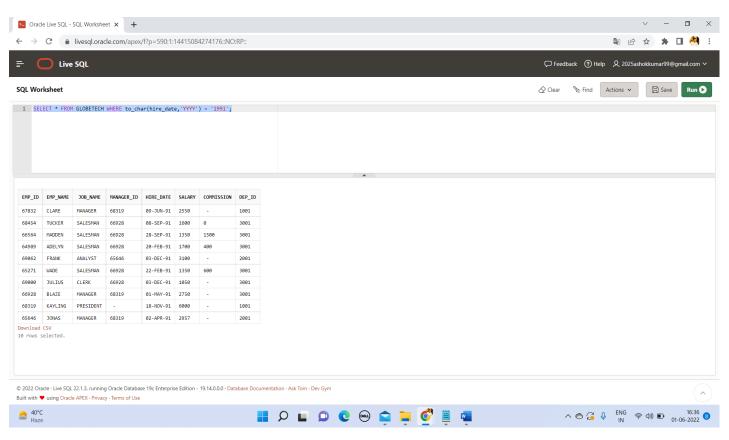
CASE 23: From the following table, write a SQL query to find the employee whose designation is 'ANALYST'. Return employee name, job name and salary

QUERY: SELECT emp_name, job_name, salary FROM GLOBETECH WHERE job_name = 'ANALYST';



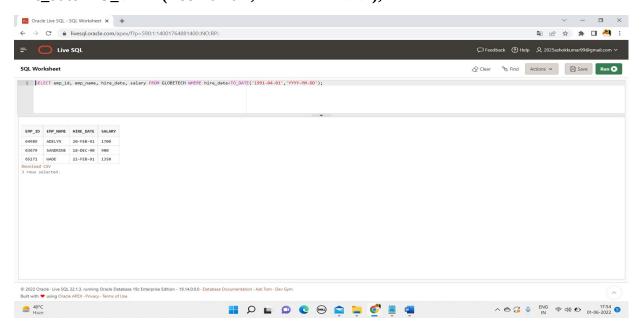
CASE 24: From the following table, write a SQL query to find those employees who have joined in the year 1991. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECH WHERE to_char(hire_date,'YYYY') = '1991';



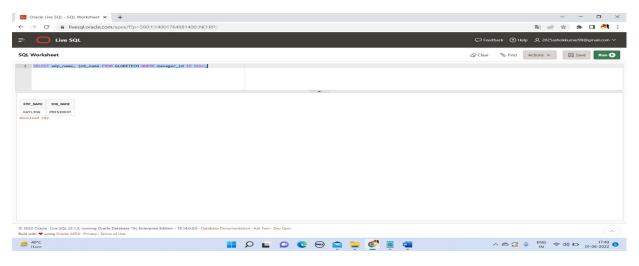
CASE 25: From the following table, write a SQL query to find those employees who joined before 1st April 1991. Return employee ID, employee name, hire date and salary

QUERY: SELECT emp_id, emp_name, hire_date, salary FROM GLOBETECH WHERE hire_date<TO_DATE('1991-04-01','YYYY-MM-DD');



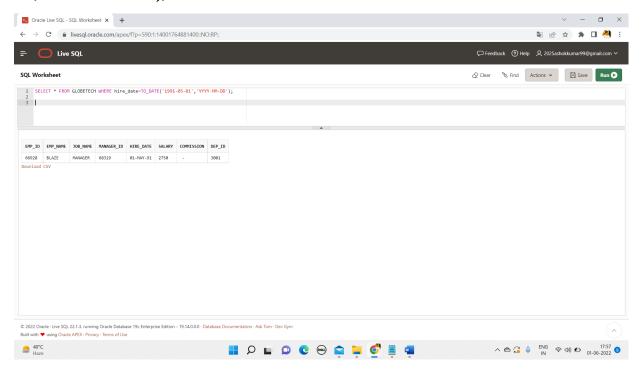
CASE 26: From the following table, write a SQL query to find those employees who are not working under a manager. Return employee name, job name.

QUERY: SELECT emp_name, job_name FROM GLOBETECH WHERE manager_id IS NULL;



CASE 27: From the following table, write a SQL query to find those employees who joined on 1st May 91. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECH WHERE hire_date=TO_DATE('1991-05-01','YYYY-MM-DD');



CASE 28: From the following table, write a SQL query to find those employees working under the manger whose ID is 68319. Return employee ID, employee name, salary, and age.

QUERY:

CASE 29: From the following table, write a SQL query to find those employees who earn more than 100 as daily salary. Return employee ID, employee name, salary, and age.

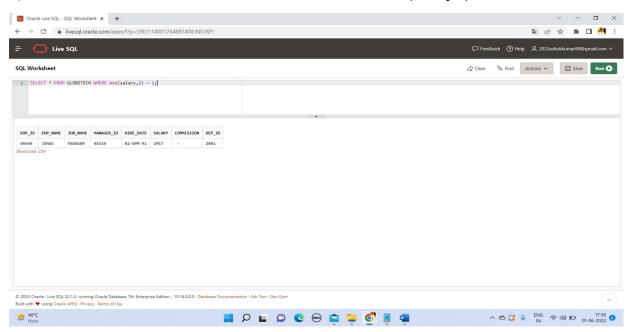
QUERY:

CASE 30: From the following table, write a SQL query to find those employees who retired after 31-Dec-99, completion of 8 years of service period. Return employee name.

QUERY:

CASE 31: From the following table, write a SQL query to find those employees whose salary is an odd value. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECH WHERE mod(salary,2) = 1;



CASE 32: From the following table, write a SQL query to find those employees whose salary contains only three digits. Return complete information about the employees.

QUERY: SELECT * FROM GLOBETECH WHERE

