

## Assignment 1st June 2022

NAME: **ASHOK KUMAR**  
1233

ROLL NUMBER: DXC-262-AB-

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,DEP\_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,DEP_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,DEP_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,DEP_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,COMMISSION,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,COMMISSION,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,COMMISSION,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,DEP_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,DEP_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,COMMISSION,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,DEP_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,DEP_ID)
```

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

INSERT INTO

GLOBETECH(EMP\_ID,EMP\_NAME,JOB\_NAME,MANAGER\_ID,HIRE\_DATE,SALARY,DEPARTMENT\_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:**

Oracle Live SQL - SQL Worksheet x

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Live SQL Feedback Help 2025ashokkumar99@gmail.com

SQL Worksheet Clear Find Actions Save Run

1 SELECT \* FROM GLOBETECH;

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
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
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	ADWRES	CLERK	67858	23-MAY-97	1200	-	2001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001

Download CSV  
14 rows selected.

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## 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;**

Oracle Live SQL - SQL Worksheet

livesql.oracle.com/apex/?p=590:1:14415084274176::NO:RP::

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SQL Worksheet Clear Find Actions Save Run

```

1 SELECT *
2 FROM GLOBETECH
3 WHERE salary <3500;

```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
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
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	ADRIES	CLERK	67858	23-MAY-97	1200	-	2001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001

Download CSV  
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Windows Taskbar: File Explorer, Edge, Chrome, Word, PowerPoint, Outlook, Teams, OneDrive, Mail, Calendar, Photos, Settings, Network, Volume, ENG IN, 16:27, 01-06-2022

**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';`

Oracle Live SQL - SQL Worksheet x +

livesql.oracle.com/apex/f?p=590:1:14001764881400::NO:RP::

Live SQL

### SQL Worksheet

```
1 SELECT emp_name, job_name, salary FROM GLOBETECH WHERE job_name = 'ANALYST';
```

EMP_NAME	JOB_NAME	SALARY
SCARLET	ANALYST	3100
FRANK	ANALYST	3100

Download CSV  
2 rows selected.

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Haze

Windows taskbar icons: Windows Start, Search, Task View, Microsoft Teams, Microsoft Edge, Dell logo, Mail, File Explorer.

**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';`

Oracle Live SQL - SQL Worksheet

livesql.oracle.com/apex/?p=590:1:14415084274176:NO:RP::

Live SQL

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SQL Worksheet

Clear Find Actions Save Run

1 SELECT \* FROM GLOBETECH WHERE to\_char(hire\_date,'YYYY') = '1991';

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
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
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001

Download CSV  
10 rows selected.

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**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');

Oracle Live SQL - SQL Worksheet

livesql.oracle.com/apex/?p=590:1:14001764881400:NO:RP::

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SQL Worksheet

Clear Find Actions Save Run

1 SELECT emp\_id, emp\_name, hire\_date, salary FROM GLOBETECH WHERE hire\_date<TO\_DATE('1991-04-01','YYYY-MM-DD');

EMP_ID	EMP_NAME	HIRE_DATE	SALARY
64989	ADELYN	20-FEB-91	1700
63679	SAVORINE	18-DEC-90	900
65271	WADE	22-FEB-91	1350

Download CSV  
3 rows selected.

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**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;**

The screenshot shows the Oracle Live SQL interface. The query entered is: `SELECT emp_name, job_name FROM GLOBETECH WHERE manager_id IS NULL;`. The results are displayed in a table with two columns: EMP\_NAME and JOB\_NAME. The only row returned is KAVLING, PRESIDENT. Below the table is a 'Download CSV' link. The interface includes a top navigation bar with 'Live SQL' and a user profile, and a bottom status bar with system information.

EMP_NAME	JOB_NAME
KAVLING	PRESIDENT

**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');**

The screenshot shows the Oracle Live SQL interface. The query entered is: `SELECT * FROM GLOBETECH WHERE hire_date=TO_DATE('1991-05-01','YYYY-MM-DD');`. The results are displayed in a table with columns: EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID, HIRE\_DATE, SALARY, COMMISSION, and DEP\_ID. The only row returned is 66928, BLAZE, MANAGER, 68319, 01-MAY-91, 2750, -, 3001. Below the table is a 'Download CSV' link. The interface includes a top navigation bar with 'Live SQL' and a user profile, and a bottom status bar with system information.

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001

**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;**

The screenshot shows the Oracle Live SQL interface in a web browser. The query entered is `SELECT * FROM GLOBETECH WHERE mod(salary,2) = 1;`. The results are displayed in a table with the following data:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001

Below the table, there is a link to "Download CSV". The interface also includes a "SQL Worksheet" header, a "Run" button, and a footer with copyright information and system status.

**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  
length(TRIM(TO\_CHAR(salary,'9999'))) = 3;**

The screenshot shows the Oracle Live SQL web interface. The browser address bar displays the URL: `livesql.oracle.com/apex/?p=590:1:14001764881400::NO:RP::`. The interface includes a top navigation bar with the 'Live SQL' logo and a user profile. Below this is a toolbar with buttons for 'Clear', 'Find', 'Actions', 'Save', and 'Run'. The main area contains a SQL worksheet with the following query entered:

```
1 SELECT * FROM GLOBETECH WHERE length(TRIM(TO_CHAR(salary,'9999'))) = 3;
```

Below the query editor, the results are displayed in a table with the following columns: EMP\_ID, EMP\_NAME, JOB\_NAME, MANAGER\_ID, HIRE\_DATE, SALARY, COMMISSION, and DEP\_ID. The table contains one row of data:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001

A 'Download CSV' link is located below the table. At the bottom of the interface, a footer provides copyright information: '© 2022 Oracle - Live SQL 22.1.3, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym'. It also mentions 'Built with ♥ using Oracle APEX - Privacy - Terms of Use'. The system tray at the very bottom shows the date and time as '17:33 01-06-2022' and the language set to 'ENG IN'.