

NAME: SHAIK ABDUL KHADAR JILANI

ROLLNO: DXC262AB12038

BATCH: DXC-262-Analytics-B12-Azure

SUMBMITTION: 31-5-2022

COMPANY: DXC TECHNOLOGY

Case 1:

```
CREATE TABLE globetechtb231 (emp_id INTEGER NOT NULL,  
                                emp_name varchar(100) NOT NULL,  
                                job_name varchar(100) NOT NULL,  
                                manager_id INTEGER,  
                                hire_date DATE NOT NULL,  
                                salary FLOAT NOT NULL,  
                                commission FLOAT,  
                                dep_id INTEGER NOT NULL);
```

```
INSERT INTO globetechtb231 (emp_id, emp_name, job_name, manager_id, hire_date, salary,  
commission, dep_id)
```

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

```
INSERT INTO globetechtb231 (emp_id, emp_name, job_name, manager_id, hire_date, salary,  
commission, dep_id)
```

```
VALUES (66928, 'BLAZE', 'MANAGER', 68319, TO_DATE('1991-05-01', 'YYYY-MM-DD'),  
2750.00, NULL, 3001);
```

```
INSERT INTO globetechtb231 (emp_id, emp_name, job_name, manager_id, hire_date, salary,  
commission, dep_id)
```

```
VALUES (67832, 'CLARE', 'MANAGER', 68319, TO_DATE('1991-06-09', 'YYYY-MM-DD'),  
2550.00, NULL, 1001);
```

```
INSERT INTO globetechtb231 (emp_id, emp_name, job_name, manager_id, hire_date, salary,  
commission, dep_id)
```

```
VALUES (65646, 'JONAS', 'MANAGER', 68319, TO_DATE('1991-04-02', 'YYYY-MM-DD'),  
2957.00, NULL, 2001);
```

```
INSERT INTO globetechtb231 (emp_id, emp_name, job_name, manager_id, hire_date, salary,  
commission, dep_id)
```

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

```
INSERT INTO globetechtb231(emp_id, emp_name, job_name, manager_id, hire_date, salary,
commission, dep_id)

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

```
INSERT INTO globetechtb231 (emp_id, emp_name, job_name, manager_id, hire_date, salary,
commission, dep_id)

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

```
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'),1700.00,400.00,3001);
```

```
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'),1350.00,600.00,3001);
```

```
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'),1350.00,1500.00,3001);
```

```
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'),1600.00,0.00,3001);
```

```
INSERT INTO globetechtb231 (emp_id, emp_name, job_name, manager_id, hire_date, salary,
commission, dep_id)

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

```
INSERT INTO globetechtb231 (emp_id, emp_name, job_name, manager_id, hire_date, salary,
commission, dep_id)
```

VALUES (69000,'JULIUS','CLERK',66928, TO\_DATE('1991-12-03', 'YYYY-MM-DD'),1050.00,NULL,3001);

INSERT INTO globetechtb231 (emp\_id, emp\_name, job\_name, manager\_id, hire\_date, salary, commission, dep\_id)

VALUES (69324,'MARKER','CLERK',67832, TO\_DATE('1992-01-23', 'YYYY-MM-DD'),1400,NULL,1001);

Live SQL

Feedback

Help

jilanishaik2804@gmail.com

ORA-00942: table or view does not exist

My Session

Actions

Reset Session

Save

Statement 18

```
select * from globetechtb231
```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
68736	ADNRES	CLERK	67858	23-MAY-97	1200	-	2001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001

Download CSV

13 rows selected.

Case 2: From the above table, write a SQL query to find the salaries of all employees. Return salary  
**select salary from globetechtb231;**

The screenshot shows the 'Live SQL' web application interface. The left sidebar contains navigation links: Home, SQL Worksheet (active), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled 'SQL Worksheet' and contains a text editor with the query `select salary from globetechtb231;`. Below the editor, a table displays the results of the query. The table has a single column labeled 'SALARY' and 13 rows of numerical values. At the bottom of the results, there is a 'Download CSV' link and the text '13 rows selected.'.

SALARY
6000
2750
2550
2957
3100
3100
900
1700
1350
1350
1600
1200
1050

[Download CSV](#)  
13 rows selected.

Case 3: From the above table, write a SQL query to find the unique designations of the employees. Return job name.

**select distinct job\_name from globetechtb231;**

The screenshot shows the 'Live SQL' web application interface. The left sidebar contains navigation links: Home, SQL Worksheet (active), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled 'SQL Worksheet' and contains a text editor with the query `select distinct job_name from globetechtb231;`. Below the editor, a table displays the results of the query. The table has a single column labeled 'JOB\_NAME' and 5 rows of job titles. At the bottom of the results, there is a 'Download CSV' link and the text '5 rows selected.'.

JOB_NAME
ANALYST
CLERK
SALESMAN
MANAGER
PRESIDENT

[Download CSV](#)  
5 rows selected.

Case 4: From the following table, write a SQL query to list the employees' name, increased their salary by 15%, and expressed as number of Dollars.

**select emp\_name, to\_char (1.15\*salary, '\$99,999') AS "Salary" from globetechtb231;**

The screenshot shows the Live SQL interface. At the top, there's a navigation bar with a menu icon, the 'Live SQL' logo, and links for Feedback, Help, and a user profile. Below this is a 'SQL Worksheet' section with buttons for Clear, Find, Actions, Save, and a Run button. The SQL query is entered in the text area:

```
1 select emp_name,  
2 to_char (1.15*salary, '$99,999') AS "Salary"  
3 from globetechtb231;  
4
```

The results are displayed in a table below the query:

EMP_NAME	Salary
KAYLING	\$6,900
BLAZE	\$3,163
CLARE	\$2,933
JONAS	\$3,401
SCARLET	\$3,565
FRANK	\$3,565
SANDRINE	\$1,035
ADELYN	\$1,955
WADE	\$1,553
MADDEN	\$1,553
TUCKER	\$1,840
ADNRES	\$1,380
JULIUS	\$1,208

Below the table, there's a 'Download CSV' link and a message '13 rows selected.'

Case 5: From the above table, write a SQL query to list the employee's name and job name as a format of "Employee & Job".

**select emp\_name|| ' ' ||job\_name as "Employee & Job"**  
**from globetechtb231;**

The screenshot shows the Live SQL interface. At the top, there's a navigation bar with a menu icon, the 'Live SQL' logo, and links for Feedback, Help, and a user profile. Below this is a 'SQL Worksheet' section with buttons for Clear, Find, Actions, Save, and a Run button. The SQL query is entered in the text area:

```
1 select emp_name|| ' ' ||job_name as "Employee & Job"  
2 from globetechtb231 ;  
3
```

The results are displayed in a table below the query:

Employee & Job	
KAYLING	PRESIDENT
BLAZE	MANAGER
CLARE	MANAGER
JONAS	MANAGER
SCARLET	ANALYST
FRANK	ANALYST
SANDRINE	CLERK
ADELYN	SALESMAN
WADE	SALESMAN
MADDEN	SALESMAN
TUCKER	SALESMAN
ADNRES	CLERK
JULIUS	CLERK

Below the table, there's a 'Download CSV' link and a message '13 rows selected.'

Case 6: From the same table - Write a query in SQL to produce the output of employees as follows  
Employee JONAS(manager).

**SQL Worksheet** Clear Find Actions Save Run

```

1 select emp_name || '(' || lower(job_name) || ')' as "Employee"
2 from globetechtb231;
3

```

Employee
KAYLING(president)
BLAZE(manager)
CLARE(manager)
JONAS(manager)
SCARLET(analyst)
FRANK(analyst)
SANDRINE(clerk)
ADELYN(salesman)
WADE(salesman)
MADDEN(salesman)
TUCKER(salesman)
ADNRES(clerk)
JULIUS(clerk)

[Download CSV](#)  
13 rows selected.

Case 7: From the above table, write a SQL query to find those employees with hire date in the format like February 22, 1991. Return employee ID, employee name, salary, hire date

**Live SQL** Feedback Help jilanishaik2804@gmail.com

**SQL Worksheet** Clear Find Actions Save Run

```

1 select emp_id,
2        emp_name,
3        salary,
4        to_char(hire_date, 'MONTH DD, YYYY')
5 from globetechtb231;
6

```

EMP_ID	EMP_NAME	SALARY	TO_CHAR(HIRE_DATE, 'MONTHDD, YYYY')
68319	KAYLING	6000	NOVEMBER 18,1991
66928	BLAZE	2750	MAY 01,1991
67832	CLARE	2550	JUNE 09,1991
65646	JONAS	2957	APRIL 02,1991
67858	SCARLET	3100	APRIL 19,1997
69062	FRANK	3100	DECEMBER 03,1991
63679	SANDRINE	900	DECEMBER 18,1990
64989	ADELYN	1700	FEBRUARY 20,1991
65271	WADE	1350	FEBRUARY 22,1991
66564	MADDEN	1350	SEPTEMBER 28,1991
68454	TUCKER	1600	SEPTEMBER 08,1991
68736	ADNRES	1200	MAY 23,1997
69000	JULIUS	1050	DECEMBER 03,1991

[Download CSV](#)  
13 rows selected.

Case 8: From the above table, write a SQL query to count the number of characters except the spaces for each employee name. Return employee name length.

Feedback
Help
jilanishaik2804@gmail.com

**SQL Worksheet**
Clear
Find
Actions
Save
Run

```

1 select length(trim(emp_name))
2 from globetechtb231;
3
4

```

LENGTH(TRIM(EMP_NAME))
7
5
5
5
7
5
8
6
4
6
6
6
6

[Download CSV](#)  
 13 rows selected.

Case 9: From the following table, write a SQL query to find the employee ID, salary, and commission of all the employees

**select emp\_id,salary,commission from globetechtb231;**

Feedback
Help
jilanishaik2804@gmail.com

**SQL Worksheet**
Clear
Find
Actions
Save
Run

```

1 select emp_id,salary,commission from globetechtb231;
2

```

EMP_ID	SALARY	COMMISSION
68319	6000	-
66928	2750	-
67832	2550	-
65646	2957	-
67858	3100	-
69062	3100	-
63679	900	-
64989	1700	400
65271	1350	600
66564	1350	1500
68454	1600	0
68736	1200	-
69000	1050	-

[Download CSV](#)  
 13 rows selected.

case 10: write a SQL query to find the unique department with jobs. Return department ID, Job name  
**select distinct dep\_id, job\_name from globetechtb231;**

Live SQL

Feedback Help jilanishaik2804@gmail.com

SQL Worksheet Clear Find Actions Save Run

```
1 select distinct dep_id, job_name from globetechtb231;
2
```

DEP_ID	JOB_NAME
1001	PRESIDENT
3001	MANAGER
1001	MANAGER
2001	MANAGER
2001	ANALYST
2001	ANALYST
2001	CLERK
3001	SALESMAN
3001	SALESMAN
3001	SALESMAN
3001	SALESMAN
2001	CLERK
3001	CLERK

Download CSV  
13 rows selected.

case 11: write a SQL query to find those employees who do not belong to the department 2001.  
Return complete information about the employees.

**select \* from globetechtb231 where dep\_id NOT IN (2001);**

Live SQL

Feedback Help jilanishaik2804@gmail.com

SQL Worksheet Clear Find Actions Save Run

```
1 select * from globetechtb231 where dep_id NOT IN (2001);
2
```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
64989	ADELYN	SALESMAN	66928	20-FEB-91	1700	400	3001
65271	WADE	SALESMAN	66928	22-FEB-91	1350	600	3001
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001
68454	TUCKER	SALESMAN	66928	08-SEP-91	1600	0	3001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001

Download CSV  
8 rows selected.



Case 12: write a SQL query to find those employees who joined before 1991.

Return complete information about the employees

```
SELECT *  
FROM globetechtb231  
WHERE hire_date < ('01-JAN-1991');
```

The screenshot shows the Live SQL interface. The SQL query is entered in the editor and executed. The results are displayed in a table below the editor.

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

Download CSV

case 13: write a SQL query to compute the average salary of those employees who work as 'ANALYST'. Return average salary.

```
SELECT avg(salary)  
FROM globetechtb231  
WHERE job_name = 'ANALYST';
```

The screenshot shows the Live SQL interface. The SQL query is entered in the editor and executed. The results are displayed in a table below the editor.

AVG(SALARY)
3100

Download CSV

case 14: write a SQL query to find the details of the employee 'BLAZE'

**select \* from globetechtb231 where emp\_name = 'BLAZE';**

The screenshot shows the Live SQL interface. At the top, there's a navigation bar with a menu icon, the 'Live SQL' logo, and links for Feedback, Help, and a user profile. Below this is a toolbar with 'Clear', 'Find', 'Actions', 'Save', and a 'Run' button. The main area contains a SQL query editor with the following code:

```
1 SELECT *
2 FROM globetechtb231
3 WHERE emp_name = 'BLAZE';
4
```

Below the editor, the results are displayed in a table:

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

Below the table, there is a 'Download CSV' link.

case 15: write a SQL query to find those employees whose commission is more than their salary.

Return complete information about the employees

**SELECT \***

**FROM employees**

**WHERE commission > salary;**

The screenshot shows the Live SQL interface. At the top, there's a navigation bar with a menu icon, the 'Live SQL' logo, and links for Feedback, Help, and a user profile. Below this is a toolbar with 'Clear', 'Find', 'Actions', 'Save', and a 'Run' button. The main area contains a SQL query editor with the following code:

```
1 SELECT *
2 FROM globetechtb231
3 WHERE commission > salary;
4
```



Below the editor, the results are displayed in a table:





EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
66564	MADDEN	SALESMAN	66928	28-SEP-91	1350	1500	3001





Below the table, there is a 'Download CSV' link.

case 16: write a SQL query to find those employees whose salary exceeds 3000 after giving 25% increment. Return complete information about the employees

**select \* from globetechtb231 where (1.25\*salary) > 3000;**

  **Live SQL**

 Feedback  Help  jilanishaik2804@gmail.com 

**SQL Worksheet**  Clear  Find **Actions**  Save **Run** 

```
1 SELECT *
2 FROM globetechtb231
3 WHERE (1.25*salary) > 3000;
4
```



EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
68319	KAYLING	PRESIDENT	-	18-NOV-91	6000	-	1001
66928	BLAZE	MANAGER	68319	01-MAY-91	2750	-	3001
67832	CLARE	MANAGER	68319	09-JUN-91	2550	-	1001
65646	JONAS	MANAGER	68319	02-APR-91	2957	-	2001
67858	SCARLET	ANALYST	65646	19-APR-97	3100	-	2001
69062	FRANK	ANALYST	65646	03-DEC-91	3100	-	2001





[Download CSV](#)  
6 rows selected.





case 17: write a SQL query to find the names of the employees whose length is six.

Return employee name

**select emp\_name from globetechtb231 where length(emp\_name)=6;**

  **Live SQL**

 Feedback  Help  jilanishaik2804@gmail.com 

**SQL Worksheet**  Clear  Find **Actions**  Save **Run** 

```
1 SELECT emp_name
2 FROM globetechtb231
3 WHERE length(emp_name)=6;
4
```

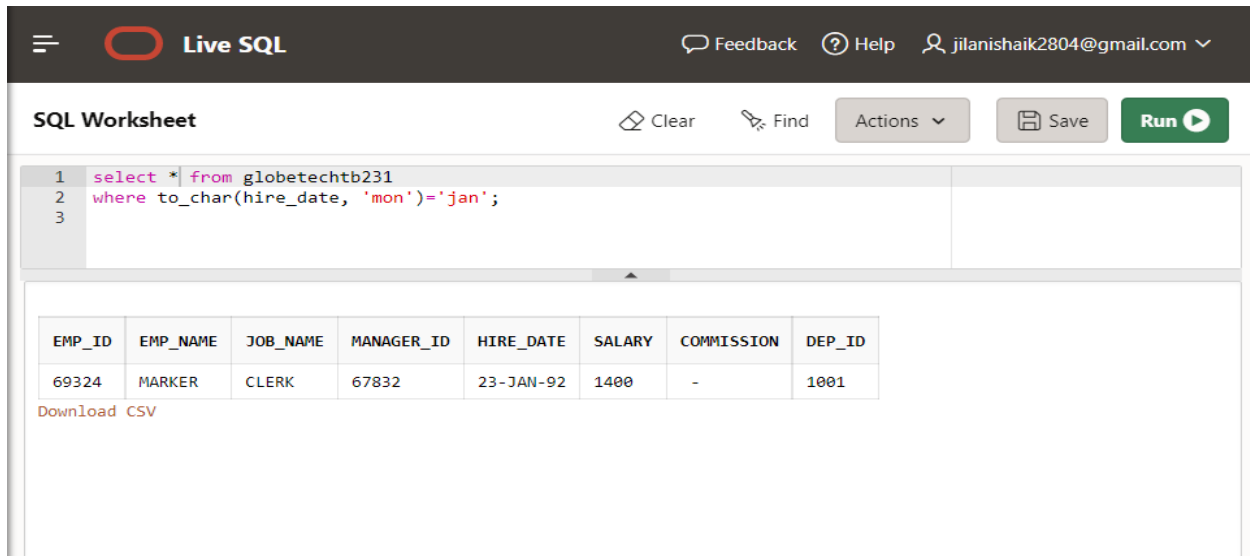
EMP_NAME
JONAS
ADELYN
MADDEN
TUCKER
ADNRES
JULIUS

[Download CSV](#)  
6 rows selected.

case 18: write a SQL query to find those employees who joined in the month January.

Return complete information about the employees

**select \* from globetechtb231 where to\_char(hire\_date, 'mon')='jan';**



The screenshot shows the Live SQL interface. At the top, there's a navigation bar with a menu icon, the 'Live SQL' logo, and links for Feedback, Help, and a user profile. Below this is the 'SQL Worksheet' section with buttons for Clear, Find, Actions, Save, and a Run button. The SQL query is entered in a text area:

```
1 select * from globetechtb231
2 where to_char(hire_date, 'mon')='jan';
3
```

Below the query, the results are displayed in a table:

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
69324	MARKER	CLERK	67832	23-JAN-92	1400	-	1001

Below the table, there is a 'Download CSV' link.

case 19: write a SQL query to find the name of employees and their manager separated by the string 'works for'.

**select e.emp\_name || ' works for ' || m.emp\_name**

**from globetechtb231 e,**

**globetechtb231 m**

**where e.manager\_id = m.emp\_id;**

Feedback
Help
jilanishaik2804@gmail.com

**SQL Worksheet**
Clear
Find
Actions
Save
Run

```

1 SELECT e.emp_name || ' works for ' || m.emp_name
2 FROM globetechtb231 e,
3      globetechtb231 m
4 WHERE e.manager_id = m.emp_id;
5

```

E.EMP_NAME  'WORKSFOR'  M.EMP_NAME
BLAZE works for KAYLING
CLARE works for KAYLING
JONAS works for KAYLING
ADELYN works for BLAZE
WADE works for BLAZE
MADDEN works for BLAZE
TUCKER works for BLAZE
JULIUS works for BLAZE
SCARLET works for JONAS
FRANK works for JONAS
ADNRES works for SCARLET
SANDRINE works for FRANK

[Download CSV](#)  
 12 rows selected.

case 20: write a SQL query to find those employees whose designation is 'CLERK'.

Return complete information about the employees.

**select \* from globetechtb231 where job\_name = 'CLERK';**

Feedback
Help
jilanishaik2804@gmail.com

**SQL Worksheet**
Clear
Find
Actions
Save
Run

```

1 SELECT *
2 FROM globetechtb231
3 WHERE job_name = 'CLERK';
4
5

```

EMP_ID	EMP_NAME	JOB_NAME	MANAGER_ID	HIRE_DATE	SALARY	COMMISSION	DEP_ID
63679	SANDRINE	CLERK	69062	18-DEC-90	900	-	2001
68736	ADNRES	CLERK	67858	23-MAY-97	1200	-	2001
69000	JULIUS	CLERK	66928	03-DEC-91	1050	-	3001

[Download CSV](#)  
 3 rows selected.