

SQL Query Questions with Answers

Table – Worker

WORKER ID(primary),FIRST_NAME,LAST_NAME,SALARY JOINING DATE,DEPARTMENT

		WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
<input type="checkbox"/>	Edit Copy Delete	1	Satish	Krishna	350000	mar 2016	Admin
<input type="checkbox"/>	Edit Copy Delete	2	Vipul	Kumar	40000	feb 2014	Human Resource
<input type="checkbox"/>	Edit Copy Delete	3	Shilpa	Shiva	600000	jan 2012	IT Security
<input type="checkbox"/>	Edit Copy Delete	4	Ramesh	Narayan	650000	apr 2011	Accounts
<input type="checkbox"/>	Edit Copy Delete	5	Anjana	Chandran	250000	mar 2018	Admin
<input type="checkbox"/>	Edit Copy Delete	6	Kavitha	Gopal	90000	may 2023	Human Resource

1. Write An SQL Query To Fetch "FIRST_NAME" From Worker Table Using The Alias Name As <WORKER_NAME>

```
16 |
17 | mycursor.execute('select FIRST_NAME as WORKER_NAME from worker ')
18 |
19 | result=mycursor.fetchall()
20 | print('WORKER_NAME')
21 | for i in result:
22 |     print(i)
23 |
24 |
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python
<mysql.connector.connection.MySQLConnection object at 0x00000129EF14F7D0>
WORKER_NAME
('Satish',)
('Vipul',)
('Shilpa',)
('Ramesh',)
('Anjana',)
('Kavitha',)
PS C:\Users\91949\Desktop\My Sql> |
```

2. Write An SQL Query To Fetch "FIRST_NAME" From Worker Table In Upper Case.

```
25 mycursor.execute('select upper(FIRST_NAME) from worker ')
26
27 result=mycursor.fetchall()
28
29 for i in result:
30     print(i)
31
32
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/MySQL/MySQL Connector/ODBC/8.0.27/bin/8.0.27/mysql -u root -p
<mysql.connector.connection.MySQLConnection object at 0x0000017D4A3EF850>
('SATISH',)
('VIPUL',)
('SHILPA',)
('RAMESH',)
('ANJANA',)
('KAVITHA',)
PS C:\Users\91949\Desktop\My Sql> █
```

3. Write An SQL Query To Print The First Three Characters Of FIRST NAME From Worker Table.

```
31
32 mycursor.execute('select substring(FIRST_NAME, 1,3)  from worker ')
33 result=mycursor.fetchall()
34 for i in result:
35     print(i)
36
37
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/P
<mysql.connector.connection.MySQLConnection object at 0x0000023E4768F850>
('Sat',)
('Vip',)
('Shi',)
('Ram',)
('Anj',)
('Kav',)
PS C:\Users\91949\Desktop\My Sql> █
```

4. Write An SQL Query That Fetches The Unique Values Of DEPARTMENT From Worker Table And Prints Its Length.

```
37 |  
38 mycursor.execute('select distinct (DEPARTMENT),length(DEPARTMENT) from worker ')  
39 result=mycursor.fetchall()  
40 for i in result:  
41 |     print(i)  
42  
43  
44  
45  
46  
47
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/pyt  
<mysql.connector.connection.MySQLConnection object at 0x000001D7265CF850>  
( 'Admin', 5)  
( 'Human Resource', 14)  
( 'IT Security', 11)  
( 'Accounts', 8)  
PS C:\Users\91949\Desktop\My Sql> █
```

5. Write An SQL Query To Print The FIRST NAME And LAST NAME From Worker Table Into A Single Column COMPLETE NAME. A Space Char Should Separate Them.

```
43
44     mycursor.execute('select CONCAT(FIRST_NAME," ",LAST_NAME) as COMPLETE_NAME  from worker ')
45     print('COMPLETE_NAME')
46     result=mycursor.fetchall()
47     for i in result:
48         | print(i)
49
50
51
52
53
54
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/python.exe "c:/Us
<mysql.connector.connection.MySQLConnection object at 0x000001C77000F7D0>
COMPLETE_NAME
('Satish Krishna',)
('Vipul Kumar',)
('Shilpa Shiva',)
('Ramesh Narayan',)
('Anjana Chandran',)
('Kavitha Gopal',)
PS C:\Users\91949\Desktop\My Sql> |
```

6. Write An SQL Query To Print All Worker Details From The Worker Table Order By FIRST NAME Ascending.

```
50
51 mycursor.execute('select * from worker order by FIRST_NAME ')
52 result=mycursor.fetchall()
53 for i in result:
54     | print(i)
55
56
57
58
59
60
61
62
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/Scripts/python.exe C:/Users/91949/Desktop/My Sql/worker.py
<mysql.connector.connection.MySQLConnection object at 0x0000015AAB35F850>
(5, 'Anjana', 'Chandran', 250000, 'mar 2018', 'Admin')
(6, 'Kavitha', 'Gopal', 90000, 'may 2023', 'Human Resource')
(4, 'Ramesh', 'Narayan', 650000, 'apr 2011', 'Accounts')
(1, 'Satish', 'Krishna', 350000, 'mar 2016', 'Admin')
(3, 'Shilpa', 'Shiva', 600000, 'jan 2012', 'IT Security')
(2, 'Vipul', 'Kumar', 40000, 'feb 2014', 'Human Resource')
PS C:\Users\91949\Desktop\My Sql> |
```

7. Write An SQL Query To Print All Worker Details From The Worker Table Order By FIRST NAME Ascending And DEPARTMENT Descending.

```
55
56 mycursor.execute('select * from worker order by FIRST_NAME asc,DEPARTMENT desc
57 result=mycursor.fetchall()
58 for i in result:
59     | print(i)
60
61
62
63
64
65
66
67
68
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/
<mysql.connector.connection.MySQLConnection object at 0x000001A8C620F850>
(5, 'Anjana', 'Chandran', 250000, 'mar 2018', 'Admin')
(6, 'Kavitha', 'Gopal', 90000, 'may 2023', 'Human Resource')
(4, 'Ramesh', 'Narayan', 650000, 'apr 2011', 'Accounts')
(1, 'Satish', 'Krishna', 350000, 'mar 2016', 'Admin')
(3, 'Shilpa', 'Shiva', 600000, 'jan 2012', 'IT Security')
(2, 'Vipul', 'Kumar', 40000, 'feb 2014', 'Human Resource')
PS C:\Users\91949\Desktop\My Sql> |
```

8. Write An SQL Query To Print Details For Workers With The First Name As "Vipul" And "Satish" From Worker Table.

```
61 mycursor.execute('select * from worker where FIRST_NAME="Vipul" or FIRST_NAME="Satish"')
62 result=mycursor.fetchall()
63 for i in result:
64     print(i)
65
66
67
68
69
70
71
72
73
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/python.exe
<mysql.connector.connection.MySQLConnection object at 0x0000026D3797F850>
(1, 'Satish', 'Krishna', 350000, 'mar 2016', 'Admin')
(2, 'Vipul', 'Kumar', 400000, 'feb 2014', 'Human Resource')
PS C:\Users\91949\Desktop\My Sql>
```


9. Write An SQL Query To Print Details Of Workers Excluding First Names, "Vipul" And "Satish" From Worker Table

```
65
66 mycursor.execute('select * from worker where not FIRST_NAME="Vipul" and not FIRST_NAME="Satish"')
67 result=mycursor.fetchall()
68 for i in result:
69     print(i)
70
71
72
73
74
75
76
77
78
79
80
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/
<mysql.connector.connection.MySQLConnection object at 0x0000020ECA02F850>
(3, 'Shilpa', 'Shiva', 600000, 'jan 2012', 'IT Security')
(4, 'Ramesh', 'Narayan', 650000, 'apr 2011', 'Accounts')
(5, 'Anjana', 'Chandran', 250000, 'mar 2018', 'Admin')
(6, 'Kavitha', 'Gopal', 90000, 'may 2023', 'Human Resource')
PS C:\Users\91949\Desktop\My Sql> █
```

10. Write An SQL Query To Print Details Of Workers With DEPARTMENT Name As "Admin".

```
70
71 mycursor.execute('select * from worker where DEPARTMENT="Admin"')
72 result=mycursor.fetchall()
73 for i in result:
74     print(i)
75
76
77
78
79
80
81
82
83
84
85
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python39-6/Scripts/python.exe C:/Users/91949/Desktop/My Sql/worker.py
<mysql.connector.connection.MySQLConnection object at 0x000001D88671F850>
(1, 'Satish', 'Krishna', 350000, 'mar 2016', 'Admin')
(5, 'Anjana', 'Chandran', 250000, 'mar 2018', 'Admin')
PS C:\Users\91949\Desktop\My Sql>
```

11. Write An SQL Query To Print Details Of The Workers Whose FIRST_NAME Contains 'A'.

```
75
76 mycursor.execute('select * from worker where FIRST_NAME like "%a%")
77 result=mycursor.fetchall()
78 for i in result:
79     print(i)
80
81
82
83
84
85
86
87
88
89
90
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python
<mysql.connector.connection.MySQLConnection object at 0x000001938FF6F850>
(1, 'Satish', 'Krishna', 350000, 'mar 2016', 'Admin')
(3, 'Shilpa', 'Shiva', 600000, 'jan 2012', 'IT Security')
(4, 'Ramesh', 'Narayan', 650000, 'apr 2011', 'Accounts')
(5, 'Anjana', 'Chandran', 250000, 'mar 2018', 'Admin')
(6, 'Kavitha', 'Gopal', 90000, 'may 2023', 'Human Resource')
PS C:\Users\91949\Desktop\My Sql>
```

12. Write An SQL Query To Print Details Of The Workers Whose FIRST_NAME Ends With 'A'.

```
80
81 mycursor.execute('select * from worker where FIRST_NAME like "%a"')
82 result=mycursor.fetchall()
83 for i in result:
84     print(i)
85
86
87
88
89
90
91
92
93
94
95
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python310/Scripts/python.exe C:/Users/91949/Desktop/My Sql/worker.py
<mysql.connector.connection.MySQLConnection object at 0x000001C859CAF850>
(3, 'Shilpa', 'Shiva', 600000, 'jan 2012', 'IT Security')
(5, 'Anjana', 'Chandran', 250000, 'mar 2018', 'Admin')
(6, 'Kavitha', 'Gopal', 90000, 'may 2023', 'Human Resource')
PS C:\Users\91949\Desktop\My Sql>
```

13. Write An SQL Query To Print Details Of The Workers Whose FIRST NAME Ends With "H" And Contains Six Alphabets

```
85
86 mycursor.execute('select * from worker where length(FIRST_NAME)=6 and FIRST_NAME like "%h"')
87 result=mycursor.fetchall()
88 for i in result:
89     print(i)
90
91
92
93
94
95
96
97
98
99
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/python.exe "c:/U
<mysql.connector.connection.MySQLConnection object at 0x000001DC3247F850>
(1, 'Satish', 'Krishna', 350000, 'mar 2016', 'Admin')
(4, 'Ramesh', 'Narayan', 650000, 'apr 2011', 'Accounts')
PS C:\Users\91949\Desktop\My Sql> █
```

14. Write An SQL Query To Print Details Of The Workers Whose SALARY Lies Between 100000 And 500000.

```
91 mycursor.execute('select * from worker where SALARY between 100000 and 500000')
92 result=mycursor.fetchall()
93 for i in result:
94     print(i)
95
96
97
98
99
100
101
102
103
104
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/p
<mysql.connector.connection.MySQLConnection object at 0x000001CD2F7AF850>
(1, 'Satish', 'Krishna', 350000, 'mar 2016', 'Admin')
(5, 'Anjana', 'Chandran', 250000, 'mar 2018', 'Admin')
PS C:\Users\91949\Desktop\My Sql>
```

15. Write An SQL Query To Print Details Of The Workers Who Have Joined In Feb 2014.

```
95
96 mycursor.execute('select * from worker where JOINING_DATE="feb 2014"')
97 result=mycursor.fetchall()
98 for i in result:
99     | print(i)
100
101
102
103
104
105
106
107
108
109
110
111
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/P
<mysql.connector.connection.MySQLConnection object at 0x000002DD203AF850>
(2, 'Vipul', 'Kumar', 40000, 'feb 2014', 'Human Resource')
PS C:\Users\91949\Desktop\My Sql> |
```

16. Write An SQL Query To Fetch The Count Of Employees Working In The Department "Admin".

```
100
101 mycursor.execute('select count(FIRST_NAME) from Worker where DEPARTMENT="Admin"')
102 result=mycursor.fetchall()
103 for i in result:
104     | print(i)
105
106
107
108
109
110
111
112
113
114
115
116
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/python.exe C:\Users\91949\Desktop\My Sql\mysql.connector.connection.MySQLConnection object at 0x0000025AAA51F850>
(2,)
PS C:\Users\91949\Desktop\My Sql> |
```


17. Write An SQL Query To Fetch Worker Names With Salaries>=50000 And <=100000

```
106 mycursor.execute('select * from Worker where SALARY>=50000 and SALARY<=100000')
107 result=mycursor.fetchall()
108 for i in result:
109     | print(i)
110
111
112
113
114
115
116
117
118
119
120
121
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/py
<mysql.connector.connection.MySQLConnection object at 0x00000224F68FF850>
(6, 'Kavitha', 'Gopal', 90000, 'may 2023', 'Human Resource')
PS C:\Users\91949\Desktop\My Sql> |
```

18. Write An SQL Query To Fetch The No. Of Workers For Each Department In The Descending Order.

```
111 mycursor.execute('select DEPARTMENT,count(*) from Worker group by DEPARTMENT order by DEPARTMENT desc ')
112 result=mycursor.fetchall()
113 for i in result:
114     print(i)
115
116
117
118
119
120
121
122
123
124
125
126 |
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\91949\Desktop\My Sql> & C:/Users/91949/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/91949/Des
<mysql.connector.connection.MySQLConnection object at 0x000002958400F850>
('IT Security', 1)
('Human Resource', 2)
('Admin', 2)
('Accounts', 1)
PS C:\Users\91949\Desktop\My Sql> |
```