

```

1. select c.CUSTOMER_NUMBER, FIRSTNAME,
lastname, account_number, account_opening_date
from customer_master as c
left join account_master as a
on c.CUSTOMER_NUMBER=a.CUSTOMER_NUMBER;

```

The screenshot shows the OneCompiler MySQL IDE interface. The left pane contains a series of SQL queries for inserting data into tables: account\_master, transaction\_details, and loan\_details. The right pane displays the output of the final query, which is a left join between customer\_master and account\_master. The output is a table with 5 columns: CUSTOMER\_NUMBER, FIRSTNAME, lastname, account\_number, and account\_opening\_date. It lists 10 customers and their associated account details.

```

queries.sql + 43a53h3tu
69 insert into account_master values('A00005', 'C00006', 'B00006')
70 insert into account_master values('A00006', 'C00007', 'B00007')
71 insert into account_master values('A00007', 'C00007', 'B00001')
72 insert into account_master values('A00008', 'C00001', 'B00003')
73 insert into account_master values('A00009', 'C00003', 'B00007')
74 insert into account_master values('A00010', 'C00004', 'B00002')
75 insert into transaction_details values('T00001', 'A00001', '20')
76 insert into transaction_details values('T00002', 'A00001', '20')
77 insert into transaction_details values('T00003', 'A00002', '2')
78 insert into transaction_details values('T00004', 'A00002', '20')
79 insert into transaction_details values('T00005', 'A00007', '20')
80 insert into transaction_details values('T00006', 'A00007', '20')
81 insert into transaction_details values('T00007', 'A00001', '20')
82 insert into transaction_details values('T00008', 'A00001', '20')
83 insert into transaction_details values('T00009', 'A00001', '20')
84 insert into transaction_details values('T00010', 'A00001', '20')
85 insert into transaction_details values('T00011', 'A00002', '20')
86 insert into transaction_details values('T00012', 'A00007', '20')
87 insert into loan_details values('C00001', 'B00001', '100000');
88 insert into loan_details values('C00002', 'B00002', '200000');
89 insert into loan_details values('C00009', 'B00008', '400000');
90 insert into loan_details values('C00010', 'B00009', '500000');
91 insert into loan_details values('C00001', 'B00003', '600000');
92 insert into loan_details values('C00002', 'B00001', '600000');
93 -- select * from customer_master;
94 -- select * from branch_master;
95 -- select * from account_master;
96 -- select * from transaction_details;
97 -- select * from loan_details;
98 select c.CUSTOMER_NUMBER, FIRSTNAME, lastname, account_number, ac
99 from customer_master as c
100 left join account_master as a
101 on c.CUSTOMER_NUMBER=a.CUSTOMER_NUMBER;

```

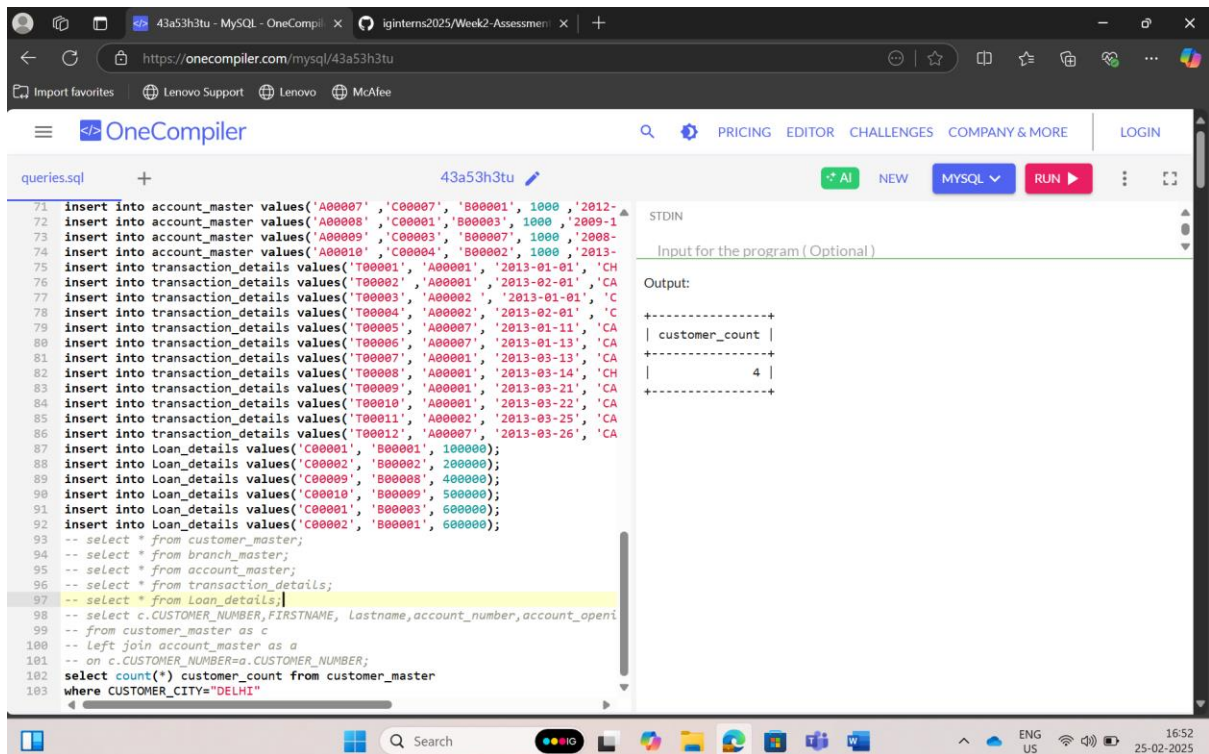
Output:

CUSTOMER_NUMBER	FIRSTNAME	lastname	account_number	account_opening_date
C00001	RAMESH	SHARMA	A00001	2012-12-15
C00001	RAMESH	SHARMA	A00008	2009-11-09
C00002	AVINASH	MINHA	A00002	2012-06-12
C00002	AVINASH	MINHA	A00004	2013-01-27
C00003	RAHUL	RASTOGI	A00003	2012-05-17
C00003	RAHUL	RASTOGI	A00009	2008-11-30
C00004	PARUL	GANDHI	A00010	2013-03-01
C00005	NAVEEN	AEDEKAR	NULL	NULL
C00006	CHITRESH	BARWE	A00005	2012-12-17
C00007	AMIT	BORKAR	A00006	2010-08-12
C00007	AMIT	BORKAR	A00007	2012-10-02
C00008	NISHA	DAMLE	NULL	NULL
C00009	ABHISHEK	DUTTA	NULL	NULL
C00010	SHANKAR	NAIR	NULL	NULL

```

2. select count(*) customer_count from customer_master
where CUSTOMER_CITY="DELHI"

```



```
queries.sql 43a53h3tu
71 insert into account_master values('A00007', 'C00007', 'B00001', 1000, '2012-
72 insert into account_master values('A00008', 'C00001', 'B00003', 1000, '2009-1
73 insert into account_master values('A00009', 'C00003', 'B00007', 1000, '2008-
74 insert into account_master values('A00010', 'C00004', 'B00002', 1000, '2013-
75 insert into transaction_details values('T00001', 'A00001', '2013-01-01', 'CH
76 insert into transaction_details values('T00002', 'A00001', '2013-02-01', 'CA
77 insert into transaction_details values('T00003', 'A00002', '2013-01-01', 'C
78 insert into transaction_details values('T00004', 'A00002', '2013-02-01', 'C
79 insert into transaction_details values('T00005', 'A00007', '2013-01-11', 'CA
80 insert into transaction_details values('T00006', 'A00007', '2013-01-13', 'CA
81 insert into transaction_details values('T00007', 'A00001', '2013-03-13', 'CA
82 insert into transaction_details values('T00008', 'A00001', '2013-03-14', 'CH
83 insert into transaction_details values('T00009', 'A00001', '2013-03-21', 'CA
84 insert into transaction_details values('T00010', 'A00001', '2013-03-22', 'CA
85 insert into transaction_details values('T00011', 'A00002', '2013-03-25', 'CA
86 insert into transaction_details values('T00012', 'A00007', '2013-03-26', 'CA
87 insert into loan_details values('C00001', 'B00001', 100000);
88 insert into loan_details values('C00002', 'B00002', 200000);
89 insert into loan_details values('C00009', 'B00008', 400000);
90 insert into loan_details values('C00010', 'B00009', 500000);
91 insert into loan_details values('C00001', 'B00003', 600000);
92 insert into loan_details values('C00002', 'B00001', 600000);
93 -- select * from customer_master;
94 -- select * from branch_master;
95 -- select * from account_master;
96 -- select * from transaction_details;
97 -- select * from loan_details;
98 -- select c.CUSTOMER_NUMBER, FIRSTNAME, Lastname, account_number, account_openi
99 -- from customer_master as c
100 -- left join account_master as a
101 -- on c.CUSTOMER_NUMBER=a.CUSTOMER_NUMBER;
102 select count(*) customer_count from customer_master
103 where CUSTOMER_CITY="DELHI"
```

Output:

```
+-----+
| customer_count |
+-----+
|          4     |
+-----+
```

3. select c.CUSTOMER\_NUMBER, FIRSTNAME, account\_number  
from customer\_master as c  
left join account\_master as a  
on c.CUSTOMER\_NUMBER=a.CUSTOMER\_NUMBER  
where DAY(account\_opening\_date)>15;

The screenshot shows the OneCompiler MySQL interface. The left pane contains a series of SQL queries. The right pane shows the output of the last query, which is a table with 3 columns: CUSTOMER\_NUMBER, FIRSTNAME, and account\_number. The output table contains 5 rows of data.

```

76 insert into transaction_details values('T00002', 'A00001', '2013-02-01', 'CA
77 insert into transaction_details values('T00003', 'A00002', '2013-01-01', 'C
78 insert into transaction_details values('T00004', 'A00002', '2013-02-01', 'C
79 insert into transaction_details values('T00005', 'A00007', '2013-01-11', 'CA
80 insert into transaction_details values('T00006', 'A00007', '2013-01-13', 'CA
81 insert into transaction_details values('T00007', 'A00001', '2013-03-13', 'CA
82 insert into transaction_details values('T00008', 'A00001', '2013-03-14', 'CH
83 insert into transaction_details values('T00009', 'A00001', '2013-03-21', 'CA
84 insert into transaction_details values('T00010', 'A00001', '2013-03-22', 'CA
85 insert into transaction_details values('T00011', 'A00002', '2013-03-25', 'CA
86 insert into transaction_details values('T00012', 'A00007', '2013-03-26', 'CA
87 insert into Loan_details values('C00001', 'B00001', 100000);
88 insert into Loan_details values('C00002', 'B00002', 200000);
89 insert into Loan_details values('C00009', 'B00008', 400000);
90 insert into Loan_details values('C00010', 'B00009', 500000);
91 insert into Loan_details values('C00001', 'B00003', 600000);
92 insert into Loan_details values('C00002', 'B00001', 600000);
93 -- select * from customer_master;
94 -- select * from branch_master;
95 -- select * from account_master;
96 -- select * from transaction_details;
97 -- select * from Loan_details;
98 -- select c.CUSTOMER_NUMBER, FIRSTNAME, Lastname, account_number, account_openi
99 -- from customer_master as c
100 -- Left join account_master as a
101 -- on c.CUSTOMER_NUMBER=a.CUSTOMER_NUMBER;
102 -- select count(*) customer_count from customer_master
103 -- where CUSTOMER_CITY="DELHI"
104 select c.CUSTOMER_NUMBER, FIRSTNAME, account_number
105 from customer_master as c
106 left join account_master as a
107 on c.CUSTOMER_NUMBER=a.CUSTOMER_NUMBER
108 where DAY(account_opening_date)>15;

```

CUSTOMER_NUMBER	FIRSTNAME	account_number
C00002	AVINASH	A00004
C00003	RAHUL	A00003
C00003	RAHUL	A00009
C00006	CHITRESH	A00005

4. SELECT COUNT(CUSTOMER\_NUMBER) AS Count\_Customer

FROM customer\_master

WHERE CUSTOMER\_NUMBER NOT IN (SELECT DISTINCT customer\_number FROM account\_master);

The screenshot shows the OneCompiler MySQL interface. The left pane contains a series of SQL queries. The right pane shows the output of the last query, which is a table with 1 column: Count\_Customer. The output table contains 1 row of data with the value 4.

```

68 to account_master values('A00004', 'C00002', 'B00005', 1000, '2013-01-27', 'S
69 to account_master values('A00005', 'C00006', 'B00006', 1000, '2012-12-17', 'S
70 to account_master values('A00006', 'C00007', 'B00007', 1000, '2010-08-12', 'S
71 to account_master values('A00007', 'C00007', 'B00001', 1000, '2012-10-02', 'S
72 to account_master values('A00008', 'C00001', 'B00003', 1000, '2009-11-09', 'SA
73 to account_master values('A00009', 'C00003', 'B00007', 1000, '2008-11-30', 'S
74 to account_master values('A00010', 'C00004', 'B00002', 1000, '2013-03-01', 'S
75 to transaction_details values('T00001', 'A00001', '2013-01-01', 'CHEQUE', 'DE
76 to transaction_details values('T00002', 'A00001', '2013-02-01', 'CASH', 'WITH
77 to transaction_details values('T00003', 'A00002', '2013-01-01', 'CASH', 'DEP
78 to transaction_details values('T00004', 'A00002', '2013-02-01', 'CASH', 'DEP
79 to transaction_details values('T00005', 'A00007', '2013-01-11', 'CASH', 'DEPO
80 to transaction_details values('T00006', 'A00007', '2013-01-13', 'CASH', 'DEPO
81 to transaction_details values('T00007', 'A00001', '2013-03-13', 'CASH', 'DEPO
82 to transaction_details values('T00008', 'A00001', '2013-03-14', 'CHEQUE', 'DE
83 to transaction_details values('T00009', 'A00001', '2013-03-21', 'CASH', 'WITH
84 to transaction_details values('T00010', 'A00001', '2013-03-22', 'CASH', 'WITH
85 to transaction_details values('T00011', 'A00002', '2013-03-25', 'CASH', 'WITH
86 to transaction_details values('T00012', 'A00007', '2013-03-26', 'CASH', 'WITH
87 to Loan_details values('C00001', 'B00001', 100000);
88 to Loan_details values('C00002', 'B00002', 200000);
89 to Loan_details values('C00009', 'B00008', 400000);
90 to Loan_details values('C00010', 'B00009', 500000);
91 to Loan_details values('C00001', 'B00003', 600000);
92 to Loan_details values('C00002', 'B00001', 600000);
93 * from customer_master;
94 * from branch_master;
95 * from account_master;
96 * from transaction_details;
97 * from Loan_details;
98 INT(CUSTOMER_NUMBER) AS Count_Customer
99 mer_master
100 OMER_NUMBER NOT IN (SELECT DISTINCT customer_number FROM account_master);

```

Count_Customer
4

5. SELECT transaction\_type,COUNT(transaction\_number) AS Trans\_Count

FROM transaction\_details

WHERE account\_number IN (SELECT account\_number FROM account\_master WHERE customer\_number LIKE '%001')

AND transaction\_type IN ('WITHDRAWAL', 'DEPOSIT')

GROUP BY transaction\_type

ORDER BY transaction\_type ASC;

The screenshot shows a web-based MySQL IDE interface. The left pane contains a list of SQL queries, with query 100 selected. The right pane shows the output of query 100, which is a table with two columns: transaction\_type and Trans\_Count. The output shows two rows: DEPOSIT with a count of 3, and WITHDRAWAL with a count of 3.

```
72 insert into account_master values('A00008','C00001','B00003',1000,'2009-1-1');
73 insert into account_master values('A00009','C00003','B00007',1000,'2008-1-1');
74 insert into account_master values('A00010','C00004','B00002',1000,'2013-1-1');
75 insert into transaction_details values('T00001','A00001','2013-01-01','CH');
76 insert into transaction_details values('T00002','A00001','2013-02-01','CA');
77 insert into transaction_details values('T00003','A00002','2013-01-01','C');
78 insert into transaction_details values('T00004','A00002','2013-02-01','C');
79 insert into transaction_details values('T00005','A00007','2013-01-11','CA');
80 insert into transaction_details values('T00006','A00007','2013-01-13','CA');
81 insert into transaction_details values('T00007','A00001','2013-03-13','CA');
82 insert into transaction_details values('T00008','A00001','2013-03-14','CH');
83 insert into transaction_details values('T00009','A00001','2013-03-21','CA');
84 insert into transaction_details values('T00010','A00001','2013-03-22','CA');
85 insert into transaction_details values('T00011','A00002','2013-03-25','CA');
86 insert into transaction_details values('T00012','A00007','2013-03-26','CA');
87 insert into Loan_details values('C00001','B00001',10000);
88 insert into Loan_details values('C00002','B00002',20000);
89 insert into Loan_details values('C00009','B00008',40000);
90 insert into Loan_details values('C00010','B00009',50000);
91 insert into Loan_details values('C00001','B00003',60000);
92 insert into Loan_details values('C00002','B00001',60000);
93 -- select * from customer_master;
94 -- select * from branch_master;
95 -- select * from account_master;
96 -- select * from transaction_details;
97 -- select * from Loan_details;
98 SELECT transaction_type,COUNT(transaction_number) AS Trans_Count
99 FROM transaction_details
100 WHERE account_number IN (SELECT account_number FROM account_master WHERE cus
101 AND transaction_type IN ('WITHDRAWAL','DEPOSIT')
102 GROUP BY transaction_type
103 ORDER BY transaction_type ASC;
104
```

transaction_type	Trans_Count
DEPOSIT	3
WITHDRAWAL	3