### 1) Creating Database:

CREATE DATABASE media\_streaming; USE media\_streaming;

```
mysql> CREATE DATABASE media_streaming;
Query OK, 1 row affected (0.01 sec)
mysql> USE media_streaming;
Database changed
```

### 2) Table Creation:

```
-- Create the customer table
CREATE TABLE customer (
 customer_id INTEGER PRIMARY KEY AUTO_INCREMENT,
 first name
             VARCHAR(15),
 last name
             VARCHAR(15),
 email id
           VARCHAR(32),
 phone_number VARCHAR(12),
 state
           VARCHAR(19),
            VARCHAR(13),
 country
 sign_up_date DATE
);
```

```
mysql> CREATE TABLE customer (
         customer_id
                        INTEGER PRIMARY KEY AUTO_INCREMENT,
                        VARCHAR(15),
         first_name
         last_name
                        VARCHAR(15),
         email_id
                        VARCHAR(32),
   -> phone_number
                        VARCHAR(12).
                        VARCHAR(19),
   ->
         state
                        VARCHAR(13),
         country
         sign_up_date
   ->
                        DATE
   -> ):
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> CREATE TABLE customer_plan (
           customer_id
                           INTEGER PRIMARY KEY,
                           VARCHAR(8),
           plan
           total_payments DECIMAL(10,2),
           FOREIGN KEY (customer_id) REFERENCES customer(customer_id)
 Query OK, 0 rows affected (0.03 sec)
-- Create the content table
CREATE TABLE content (
             INTEGER PRIMARY KEY AUTO_INCREMENT,
 content id
 title
          VARCHAR(90),
 genre
            VARCHAR(29),
 duration
            INTEGER.
 cost per stream DECIMAL(6,2),
 release date
              DATE,
 distributor
            VARCHAR(36)
);
 mysql> CREATE TABLE content (
                                INTEGER PRIMARY KEY AUTO_INCREMENT,
            content_id
                                VARCHAR(90),
     ->
            title
     ->
            genre
                                VARCHAR(29),
            duration
                                INTEGER,
            cost_per_stream DECIMAL(6,2),
     ->
            release_date
     ->
                                DATE,
            distributor
                               VARCHAR(36)
     ->
     -> );
 Query OK, 0 rows affected (0.03 sec)
-- Create the streams table
CREATE TABLE streams (
             INTEGER PRIMARY KEY AUTO INCREMENT,
 stream id
 customer id
             INTEGER,
 content id
             INTEGER,
 stream date
              DATE,
 stream time
            VARCHAR(50),
 stream_duration INTEGER,
 stream rating INTEGER,
 FOREIGN KEY (customer_id) REFERENCES customer(customer_id),
 FOREIGN KEY (content id) REFERENCES content(content id)
);
```

```
mysql> CREATE TABLE streams (
                            INTEGER PRIMARY KEY AUTO_INCREMENT,
             stream_id
             customer_id
                               INTEGER,
             content_id
                               INTEGER,
             stream_date
                               DATE,
VARCHAR(50),
              stream_time
              stream_duration INTEGER,
             stream_rating INTEGER,

FOREIGN KEY (customer_id) REFERENCES customer(customer_id),

FOREIGN KEY (content_id) REFERENCES content(content_id)
    -> );
Query OK, 0 rows affected (0.04 sec)
   -- Create the invoice table
   CREATE TABLE invoice (
     invoice number INTEGER PRIMARY KEY AUTO INCREMENT,
     customer_id
                    INTEGER,
     plan
                VARCHAR(8),
     service period VARCHAR(25),
     payment_method VARCHAR(15),
     total
                DECIMAL(10,2),
     FOREIGN KEY (customer id) REFERENCES customer(customer id)
   );
    mysql> CREATE TABLE invoice (
                                   INTEGER PRIMARY KEY AUTO_INCREMENT,
                invoice_number
         ->
                customer_id
                                    INTEGER,
         ->
                                   VARCHAR(8)
                plan
                                   VARCHAR(25),
                service_period
                                   VARCHAR(15),
                payment_method
                                   DECIMAL(10,2),
                total
         ->
                FOREIGN KEY (customer_id) REFERENCES customer(customer_id)
         ->
         -> );
    Query OK, 0 rows affected (0.03 sec)
3) Data Insertion to customer table:
   DELIMITER $$
   CREATE PROCEDURE insert_customer_data()
   BEGIN
     DECLARE I INT DEFAULT 1;
     WHILE i <= 10000 DO
        INSERT INTO customer (customer_id, first_name, last_name, email_id,
   phone number, state, country, sign up date)
       VALUES (
          CONCAT('FirstName ', i),
```

```
CONCAT('LastName_', i),
      CONCAT('user', i, '@example.com'),
      CONCAT('555-', LPAD(i, 4, '0')),
      CASE
        WHEN i % 5 = 0 THEN 'California'
        WHEN i % 5 = 1 THEN 'Texas'
        WHEN i % 5 = 2 THEN 'New York'
        WHEN i % 5 = 3 THEN 'Florida'
         ELSE 'Nevada'
      END,
      'USA',
      CURRENT_DATE - INTERVAL (i * 10) DAY
    );
    SETi = i + 1;
  END WHILE;
END $$
DELIMITER;
```

CALL insert\_customer\_data();

```
mysql> CALL insert_customer_data();
Query OK, 1 row affected (32.75 sec)
```

# 5) Data insertion to customer\_plan\_table:

```
DELIMITER $$
```

```
CREATE PROCEDURE insert_customer_plan_data()
BEGIN
  DECLARE i INT DEFAULT 1;
  WHILE i <= 10000 DO
    INSERT INTO customer_plan (customer_id, plan, total_payments)
    VALUES (
      i,
      CASE
        WHEN i % 3 = 0 THEN 'Basic'
        WHEN i % 3 = 1 THEN 'Premium'
        ELSE 'Standard'
      END,
      ROUND(RAND() * 1000, 2)
    );
    SET i = i + 1;
  END WHILE;
END $$
DELIMITER;
```

```
mysql> DELIMITER $$
mysql>
mysql> CREATE PROCEDURE insert_customer_plan_data()
    -> BEGIN
           DECLARE i INT DEFAULT 1;
           WHILE i <= 10000 DO
               INSERT INTO customer_plan (customer_id, plan, total_payments)
               VALUES (
                   i,
CASE
                        WHEN i % 3 = 0 THEN 'Basic'
                        WHEN i % 3 = 1 THEN 'Premium'
                        ELSE 'Standard'
                   END.
    ->
                   ROUND(RAND() * 1000, 2)
    ->
               );
    ->
    ->
               SET i = i + 1;
    ->
           END WHILE;
    -> END $$
Query OK, 0 rows affected (0.01 sec)
mvsql>
mysql> DELIMITER ;
```

CALL insert\_customer\_plan\_data();

```
mysql> CALL insert_customer_plan_data();
Query OK, 1 row affected (34.57 sec)
```

#### 7) Data insertion to Content Table:

**DELIMITER \$\$** 

```
ELSE 'Documentary'
END,
FLOOR(RAND() * 180) + 30, -- Random duration between 30 and 210 minutes
ROUND(RAND() * 10, 2), -- Random cost per stream between 0 and 10
CURRENT_DATE - INTERVAL (i * 30) DAY,
CONCAT('Distributor_', i)
);

SET i = i + 1;
END WHILE;
END $$
```

#### DELIMITER;

```
mysql> DELIMITER $$
mysql>
mysql> CREATE PROCEDURE insert_content_data()
                DECLARE i INT DEFAULT 1;
                WHILE i <= 10000 DO
INSERT INTO content (content_id, title, genre, duration, cost_per_stream, release_date, distributor)
                       VALUES (
                             CONCAT('Content Title ', i),
                                  WHEN i % 5 = 0 THEN 'Action'
WHEN i % 5 = 1 THEN 'Drama'
WHEN i % 5 = 2 THEN 'Comedy'
WHEN i % 5 = 3 THEN 'Horror'
                                  ELSE 'Documentary'
                            END,
FLOOR(RAND() * 180) + 30, -- Random duration between 30 and 210 minutes
ROUND(RAND() * 10, 2), -- Random cost per stream between 0 and 10
CURRENT_DATE - INTERVAL (i * 30) DAY,
      ->
      ->
                END WHILE;
      -> END $$
Query OK, 0 rows affected (0.01 sec)
mysql> DELIMITER ;
```

## 8) Calling the function to insert data:

CALL insert\_content\_data();

```
mysql> CALL insert_content_data();
Query OK, 1 row affected (41.21 sec)
```

9) Data insertion to streams table:

**DELIMITER \$\$** 

```
CREATE PROCEDURE insert_streams_data()
BEGIN
```

```
DECLARE I INT DEFAULT 1:
 WHILE i <= 10000 DO
    INSERT INTO streams (stream id, customer id, content id, stream date,
stream_time, stream_duration, stream_rating)
    VALUES (
      FLOOR(RAND() * 10000) + 1, -- Random customer_id between 1 and 10000
      FLOOR(RAND() * 10000) + 1, -- Random content id between 1 and 10000
      CURRENT DATE - INTERVAL (i * 2) DAY,
      CONCAT(FLOOR(RAND() * 24), ':', LPAD(FLOOR(RAND() * 60), 2, '0')),
      FLOOR(RAND() * 120) + 30, -- Random stream duration between 30 and 150
minutes
      FLOOR(RAND() * 5) + 1 -- Random rating between 1 and 5
    );
    SETi=i+1;
  END WHILE:
END $$
DELIMITER:
```

```
mysql> DELIMITER $$
 mysql> CREATE PROCEDURE insert_streams_data()
                    DECLARE i INT DEFAULT 1;
                    WHILE i <= 10000 DO
                            INSERT INTO streams (stream_id, customer_id, content_id, stream_date, stream_time, stream_duration, stream_rating)
                            VALUES (
                                  i,
FLOOR(RAND() * 10000) + 1, -- Random customer_id between 1 and 10000
FLOOR(RAND() * 10000) + 1, -- Random content_id between 1 and 10000
CURRENT_DATE - INTERVAL (i * 2) DAY,
CONCAT(FLOOR(RAND() * 24), ':', LPAD(FLOOR(RAND() * 60), 2, '0')),
FLOOR(RAND() * 120) + 30, -- Random stream duration between 30 and 150 minutes
FLOOR(RAND() * 5) + 1 -- Random rating between 1 and 5
        -> FND $$
 Query OK, 0 rows affected (0.01 sec)
mysql>
mysql> DELIMITER ;
```

CALL insert streams data();

```
mysql> CALL insert_streams_data();
Query OK, 1 row affected (32.46 sec)
```

#### 11) Data Insertion to Invoice Table:

**DELIMITER \$\$** 

```
CREATE PROCEDURE insert_invoice_data()
BEGIN
  DECLARE i INT DEFAULT 1;
  WHILE i <= 10000 DO
    INSERT INTO invoice (invoice_number, customer_id, plan, service_period,
payment_method, total)
    VALUES (
      i,
      FLOOR(RAND() * 10000) + 1, -- Random customer id between 1 and 10000
      CASE
        WHEN i % 3 = 0 THEN 'Basic'
        WHEN i % 3 = 1 THEN 'Premium'
        ELSE 'Standard'
      END,
      CONCAT('Period_', FLOOR(RAND() * 12) + 1), -- Random service period
between 1 and 12
      CASE
        WHEN i % 2 = 0 THEN 'Credit Card'
        ELSE 'PayPal'
      END,
      ROUND(RAND() * 200, 2) -- Random total amount between 0 and 200
    );
    SET i = i + 1;
  END WHILE;
END $$
DELIMITER;
```

```
mysql> DELIMITER $$
mysql>
mysql> CREATE PROCEDURE insert_invoice_data()
     -> BEGIN
             DECLARE i INT DEFAULT 1;
             WHILE i <= 10000 DO
                  INSERT INTO invoice (invoice_number, customer_id, plan, service_period, payment_method, total) VALUES (
                       FLOOR(RAND() * 10000) + 1, -- Random customer_id between 1 and 10000
     ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
                          WHEN i % 3 = 0 THEN 'Basic'
WHEN i % 3 = 1 THEN 'Premium'
ELSE 'Standard'
                      CONCAT('Period_', FLOOR(RAND() * 12) + 1), -- Random service period between 1 and 12
                          WHEN i % 2 = 0 THEN 'Credit Card'
ELSE 'PayPal'
                      ROUND(RAND() * 200, 2) -- Random total amount between 0 and 200
            SET i = i + 1;
END WHILE;
    -> END $$
Query OK, 0 rows affected (0.01 sec)
mysql> DELIMITER ;
```

CALL insert\_invoice\_data();

```
mysql> CALL insert_invoice_data();
Query OK, 1 row affected (41.01 sec)
```

#### **Create (Insert) Operations:**

Insert a New Customer:

```
INSERT INTO customer (first_name, last_name, email_id, phone_number,
state, country, sign_up_date)
VALUES ('John', 'Doe', 'john.doe@example.com', '555-1234',
'California', 'USA', CURRENT_DATE);
```

```
mysql> INSERT INTO customer (first_name, last_name, email_id, phone_number, state, country, sign_up_date)
-> VALUES ('John', 'Doe', 'john.doe@example.com', '555-1234', 'California', 'USA', CURRENT_DATE);
Query OK, 1 row affected (0.04 sec)
```

#### Insert New Content:

```
INSERT INTO content (title, genre, duration, cost_per_stream,
release_date, distributor)
VALUES ('Movie Title', 'Action', 120, 5.99, '2023-12-01',
'Distributor_1');
```

```
mysql> INSERT INTO content (title, genre, duration, cost_per_stream, release_date, distributor)
   -> VALUES ('Movie Title', 'Action', 120, 5.99, '2023-12-01', 'Distributor_1');
Query OK, 1 row affected (0.02 sec)
```

#### • Insert New Stream:

```
INSERT INTO streams (customer_id, content_id, stream_date,
stream_time, stream_duration, stream_rating)
VALUES (1, 1, '2024-12-15', '14:30', 90, 5);
```

```
mysql> INSERT INTO streams (customer_id, content_id, stream_date, stream_time, stream_duration, stream_rating)
-> VALUES (1, 1, '2024-12-15', '14:30', 90, 5);
Query OK, 1 row affected (0.01 sec)
```

#### • Insert New Invoice:

```
INSERT INTO invoice (customer_id, plan, service_period,
payment_method, total)
VALUES (1, 'Premium', '2024-12', 'Credit Card', 99.99);
```

```
mysql> INSERT INTO invoice (customer_id, plan, service_period, payment_method, total)
    -> VALUES (1, 'Premium', '2024-12', 'Credit Card', 99.99);
Query OK, 1 row affected (0.01 sec)
```

#### Read (Select) Operations:

#### Select All Customers:

SELECT \* FROM customer;

sql> SELECT	* FROM customer; +	-+	-+	+	+	+	+
customer_id	first_name	last_name	email_id	phone_number	state	country	sign_up_date
1	FirstName_1	LastName_1	user1@example.com	555-0001	Texas	USA	2024-12-05
2	FirstName_2	LastName_2	user2@example.com	555-0002	New York	USA	2024-11-25
3	FirstName_3	LastName_3	user3@example.com	555-0003	Florida	USA	2024-11-15
4	FirstName_4	LastName_4	user4@example.com	555-0004	Nevada	USA	2024-11-05
5	FirstName_5	LastName_5	user5@example.com	555-0005	California	USA	2024-10-26
6	FirstName_6	LastName_6	user6@example.com	555-0006	Texas	USA	2024-10-16
7	FirstName_7	LastName_7	user7@example.com	555-0007	New York	USA	2024-10-06
8	FirstName_8	LastName_8	user8@example.com	555-0008	Florida	USA	2024-09-26
9	FirstName_9	LastName_9	user9@example.com	555-0009	Nevada	USA	2024-09-16
10	FirstName_10	LastName_10	user10@example.com	555-0010	California	USA	2024-09-06
11	FirstName_11	LastName_11	user11@example.com	555-0011	Texas	USA	2024-08-27
12	FirstName_12	LastName_12	user12@example.com	555-0012	New York	USA	2024-08-17
13	FirstName_13	LastName_13	user13@example.com	555-0013	Florida	USA	2024-08-07
14	FirstName_14	LastName_14	user14@example.com	555-0014	Nevada	USA	2024-07-28
15	FirstName_15	LastName_15	user15@example.com	555-0015	California	USA	2024-07-18
16	FirstName_16	LastName_16	user16@example.com	555-0016	Texas	USA	2024-07-08
17	FirstName_17	LastName_17	user17@example.com	555-0017	New York	USA	2024-06-28

Select Customer by customer\_id:

SELECT \* FROM customer WHERE customer\_id = 1;

mysql> SELECT * FROM customer WHERE customer_id = 1;								
customer_id	first_name	last_name	email_id	phone_number	state	country	sign_up_date	
1	FirstName_1	LastName_1	user1@example.com	555-0001	Texas	USA	2024-12-05	
1 row in set (								

#### • Select All Content of Genre 'Action':

SELECT \* FROM content WHERE genre = 'Action';

mysql> SELECT	* FROM content WHERE	genre = '/	Action';			
content_id	   title +	genre	duration	cost_per_stream	release_date	distributor
j 5	Content Title 5	Action	108	6.87	2024-07-18	Distributor_5
10	Content Title 10	Action	87	3.81	2024-02-19	Distributor_10
15	Content Title 15	Action	87	6.22	2023-09-22	Distributor_15
20	Content Title 20	Action	90	2.14	2023-04-25	Distributor_20
25	Content Title 25	Action	190	2.30	2022-11-26	Distributor_25
30	Content Title 30	Action	168	7.81	2022-06-29	Distributor_30
35	Content Title 35	Action	48	2.63	2022-01-30	Distributor_35
40	Content Title 40	Action	110	6.13	2021-09-02	Distributor_40
45	Content Title 45	Action	57	9.18	2021-04-05	Distributor_45
50	Content Title 50	Action	163	4.64	2020-11-06	Distributor_50
55	Content Title 55	Action	58	7.77	2020-06-09	Distributor_55
60	Content Title 60	Action	45	0.49	2020-01-11	Distributor_60
65	Content Title 65	Action	205	4.96	2019-08-14	Distributor_65
70	Content Title 70	Action	108	3.49	2019-03-17	Distributor_70
75	Content Title 75	Action	156	0.14	2018-10-18	Distributor_75
80	Content Title 80	Action	204	3.31	2018-05-21	Distributor_80
85	Content Title 85	Action	140	2.06	2017-12-22	Distributor_85
90	Content Title 90	Action	183	9.20	2017-07-25	Distributor_90

# • Select Streams by Customer:

SELECT \* FROM streams WHERE customer\_id = 1;

```
mysql> SELECT * FROM streams WHERE customer_id = 1;

| stream_id | customer_id | content_id | stream_date | stream_time | stream_duration | stream_rating |

| 2646 | 1 | 526 | 2010-06-20 | 6:09 | 148 | 3 |

| 7223 | 1 | 235 | 1985-05-28 | 2:30 | 57 | 3 |

| 10001 | 1 | 1 | 2024-12-15 | 14:30 | 90 | 5 |

3 rows in set (0.00 sec)
```

# • Select Invoices for 'Premium' Plan:

SELECT \* FROM invoice WHERE plan = 'Premium';

```
invoice_number | customer_id | plan
                                         | service_period | payment_method | total
                         9107
                                Premium |
                                          Period_12
                                                           PayPal
                                                                              31.46
                                                                             57.45
190.69
                                                           Credit Card
                         8425
                                          Period_12
Period_4
                                Premium
                                                           PayPal
                         5533
                                Premium
             10
13
                         1767
                                Premium
                                          Period_9
                                                           Credit Card
                                                                             15.14
                                          Period_1
                                                           PayPal
                                                                             22.85
                         7625
                                Premium
             16
19
                         6749
                                          Period_4
                                                           Credit Card
                                                                             51.11
                                Premium
                         7944
                                Premium
                                          Period_8
                                                           PayPal
                                                                             163.70
             22
25
28
                         4037
                                                                             135.41
                                Premium
                                          Period_3
                                                           Credit Card
                         7060
                                Premium
                                          Period_11
                                                           PayPal
                                                                             42.89
                         6803
                                Premium
                                          Period_2
                                                           Credit Card
                                                                             77.46
                          93
                                Premium
                                          Period_3
                                                           PayPal
                                                                             165.16
                         2239
             34
                                Premium
                                          Period_11
                                                            Credit Card
                                                                             156.83
             37
                         4910
                                Premium
                                                           PayPal
                                                                             175.10
                                          Period_6
             40
                         8290
                                          Period_3
                                                                             70.01
                                Premium
                                                            Credit Card
             43
                         5408
                                                                             184.85
                                Premium
                                          Period_4
                                                           PayPal
             46
                         6846
                                Premium
                                          Period_9
                                                           Credit Card
                                                                             98.66
                         9363
                                          Period_11
                                                                             104.46
                                Premium |
                                                           PayPal
```

## **Update Operations:**

• Update Customer Email:

```
UPDATE customer
SET email_id = 'new.email@example.com'
WHERE customer_id = 1;
```

```
mysql> UPDATE customer
    -> SET email_id = 'new.email@example.com'
    -> WHERE customer_id = 1;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

Update Content Cost per Stream:

```
UPDATE content
SET cost_per_stream = 7.99
WHERE content_id = 1;
```

```
mysql> UPDATE content
    -> SET cost_per_stream = 7.99
    -> WHERE content_id = 1;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

## • Update Stream Rating:

```
UPDATE streams
SET stream_rating = 4
WHERE stream_id = 1;
```

```
mysql> UPDATE streams
    -> SET stream_rating = 4
    -> WHERE stream_id = 1;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

#### Update Invoice Total Amount:

```
UPDATE invoice
SET total = 109.99
WHERE invoice_number = 1;
```

```
mysql> UPDATE invoice
    -> SET total = 109.99
    -> WHERE invoice_number = 1;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

#### **Delete Operations:**

• Delete a Customer:

```
DELETE FROM customer WHERE customer_id = 1;
```

• Delete Content:

DELETE FROM content WHERE content\_id = 1;

• Delete a Stream:

DELETE FROM streams WHERE stream\_id = 1;

• Delete an Invoice:

DELETE FROM invoice WHERE invoice\_number = 1;

## 5. Join Queries:

• Get All Customer Names with Their Plan and Total Payments:

SELECT c.first\_name, c.last\_name, cp.plan, cp.total\_payments
FROM customer c
JOIN customer\_plan cp ON c.customer\_id = cp.customer\_id;

-> FROM custo			an, cp.total_payments  - cp.customer_id;	
first_name +	last_name 	plan	total_payments	
FirstName_1   FirstName_2   FirstName_3   FirstName_4   FirstName_5   FirstName_6   FirstName_7   FirstName_8   FirstName_9   FirstName_10   FirstName_11   FirstName_12	LastName_1 LastName_2 LastName_3 LastName_4 LastName_5 LastName_6 LastName_7 LastName_8 LastName_9 LastName_10 LastName_11 LastName_12	Premium Standard Basic Premium Standard Basic Premium Standard Basic	429.72   360.83   514.98   492.40   917.05   108.06   789.14   621.53   740.21   836.49   961.79	
FirstName_13 FirstName_14 FirstName_15 FirstName_16 FirstName_17 FirstName_18 FirstName_19	LastName_13 LastName_14 LastName_15 LastName_16 LastName_17 LastName_18 LastName_19	Premium Standard Basic Premium Standard Basic	612.15   162.24   974.74   386.99   10.71   892.61   430.91	

• Get All Streamed Content and Stream Rating for a Customer:

```
SELECT s.stream_date, s.stream_time, c.title, s.stream_rating
FROM streams s
JOIN content c ON s.content_id = c.content_id
```

```
mysql> SELECT s.stream_date, s.stream_time, c.title, s.stream_rating
    -> FROM streams s
    -> JOIN content c ON s.content_id = c.content_id
    -> WHERE s.customer_id = 1;
 stream_date | stream_time | title
                                                   stream_rating
                              Content Title 526
                                                                3
  2010-06-20
                6:09
  1985-05-28
                2:30
                               Content Title 235
                                                                3
  2024-12-15
                14:30
                              Content Title 1
                                                                5
 rows in set (0.00 sec)
```

# Get All Invoices and Corresponding Customer Information:

```
SELECT i.invoice_number, c.first_name, c.last_name, i.total
FROM invoice i
JOIN customer c ON i.customer_id = c.customer_id;
```

```
mysql> SELECT i.invoice_number, c.first_name, c.last_name, i.total
    -> FROM invoice i
    -> JOIN customer c ON i.customer_id = c.customer_id;
 invoice_number | first_name
                                   | last_name
                                                     total
                                                      117.81
             143
                   FirstName_1
                                     LastName_1
                   FirstName_1
           10001
                                     LastName_1
                                                       99.99
                                     LastName_2
                   FirstName_2
            3994
                                                      176.75
            5181
                   FirstName_3
                                     LastName_3
                                                      191.95
            5367
                   FirstName_3
                                     LastName_3
                                                       74.91
            1065
                   FirstName_5
                                     LastName_5
                                                      151.38
            8296
                   FirstName_5
                                     LastName_5
                                                       70.74
            8032
                   FirstName_6
                                     LastName_6
                                                        5.34
                                     LastName_7
            1550
                   FirstName_7
                                                       31.45
            5912
                   FirstName_10
                                     LastName_10
                                                       80.97
            3907
                   FirstName_11
                                     LastName_11
                                                       75.34
            8687
                   FirstName_12
                                     LastName_12
                                                       59.34
            9078
                   FirstName_15
                                     LastName_15
                                                       34.25
            6092
                   FirstName_17
                                     LastName_17
                                                       40.03
            9885
                   FirstName_17
                                     LastName_17
                                                       70.88
            4158
                   FirstName_20
                                     LastName_20
                                                       57.65
            7133
                   FirstName_20
                                     LastName_20
                                                       73.35
            6553
                   FirstName_22
                                     LastName_22
                                                      188.65
            1060
                   FirstName_23
                                   LastName_23
                                                      147.53
```