Queries

1 Find all available rooms:
```
SELECT * FROM Rooms WHERE status = 'available';
```
Output:
```
+---------+-------------+-----------+-----------------+-----------+
| room_id | room_number | room_type | price_per_night | status    |
+---------+-------------+-----------+-----------------+-----------+
|       1 | 101         | Deluxe    |          150.00 | available |
|       2 | 102         | Suite     |          200.00 | available |
+---------+-------------+-----------+-----------------+-----------+
```

2 Find all guests:
```
SELECT * FROM Guests;
```
Output:
```
+----------+------------+-----------+------------------------+--------------+--------------+
| guest_id | first_name | last_name | email                  | phone_number | address      |
+----------+------------+-----------+------------------------+--------------+--------------+
|        1 | John       | Doe       | john.doe@example.com    | 123-456-7890 | 123 Main St  |
|        2 | Jane       | Smith     | jane.smith@example.com  | 987-654-3210 | 456 Elm St   |
+----------+------------+-----------+------------------------+--------------+--------------+
```

3 Find all reservations:
```
SELECT * FROM Reservations;
```
Output:
```
+----------------+----------+---------+---------------+----------------+------------+-----------+
| reservation_id | guest_id | room_id | check_in_date | check_out_date | total_cost | status    |
+----------------+----------+---------+---------------+----------------+------------+-----------+
|              1 |        1 |       1 | 2023-10-15    | 2023-10-20     |     750.00 | confirmed |
|              2 |        2 |       2 | 2023-10-16    | 2023-10-18     |     400.00 | confirmed |
+----------------+----------+---------+---------------+----------------+------------+-----------+
```

4 Find all payments:
SELECT * FROM Payments;
Output

payment_id	reservation_id	employee_id	payment_date	amount	payment_method
1	1	1	2023-10-14	750.00	credit card
2	2	1	2023-10-15	400.00	cash

5 Find all employees:
SELECT * FROM Employees;
Output

employee_id	first_name	last_name	email	phone_number	role
1	Alice	Johnson	alice.johnson@example.com	555-123-4567	receptionist
2	Bob	Williams	bob.williams@example.com	555-987-6543	manager

6 Find reservations for a specific guest (e.g., guest_id = 1):
SELECT * FROM Reservations WHERE guest_id = 1;
Output

reservation_id	guest_id	room_id	check_in_date	check_out_date	total_cost	status
1	1	1	2023-10-15	2023-10-20	750.00	confirmed

7 Find payments for a specific reservation (e.g., reservation_id = 1):
SELECT * FROM Payments WHERE reservation_id = 1;
Output

payment_id	reservation_id	employee_id	payment_date	amount	payment_method
1	1	1	2023-10-14	750.00	credit card

8 Find all rooms of a specific type (e.g., Deluxe):
SELECT * FROM Rooms WHERE room_type = 'Deluxe';
Output

```
+---------+-------------+-----------+----------------+-----------+
| room_id | room_number | room_type | price_per_night | status   |
+---------+-------------+-----------+----------------+-----------+
|       1 | 101         | Deluxe    |          150.00 | available |
+---------+-------------+-----------+----------------+-----------+
```

9 Find all reservations with a specific status (e.g., confirmed):
SELECT * FROM Reservations WHERE status = 'confirmed';
Output

```
+----------------+----------+---------+---------------+---------------+------------+-----------+
| reservation_id | guest_id | room_id | check_in_date | check_out_date | total_cost | status    |
+----------------+----------+---------+---------------+---------------+------------+-----------+
|              1 |        1 |       1 | 2023-10-15    | 2023-10-20     |     750.00 | confirmed |
|              2 |        2 |       2 | 2023-10-16    | 2023-10-18     |     400.00 | confirmed |
+----------------+----------+---------+---------------+---------------+------------+-----------+
```

10 Find all payments processed by a specific employee (e.g., employee_id = 1):
SELECT * FROM Payments WHERE employee_id = 1;
Output

```
+------------+----------------+-------------+--------------+--------+---------------+
| payment_id | reservation_id | employee_id | payment_date | amount | payment_method |
+------------+----------------+-------------+--------------+--------+---------------+
|          1 |              1 |           1 | 2023-10-14   | 750.00 | credit card   |
|          2 |              2 |           1 | 2023-10-15   | 400.00 | cash          |
+------------+----------------+-------------+--------------+--------+---------------+
```