



TAYLOR'S UWE DUAL AWARDS PROGRAMMES
MARCH 2021 SEMESTER
DATABASE SYSTEMS
(ITS62904)

Assignment – Group (30%)

DUE DATE: 18th June 2021 via Times (8pm)



STUDENT DECLARATION:

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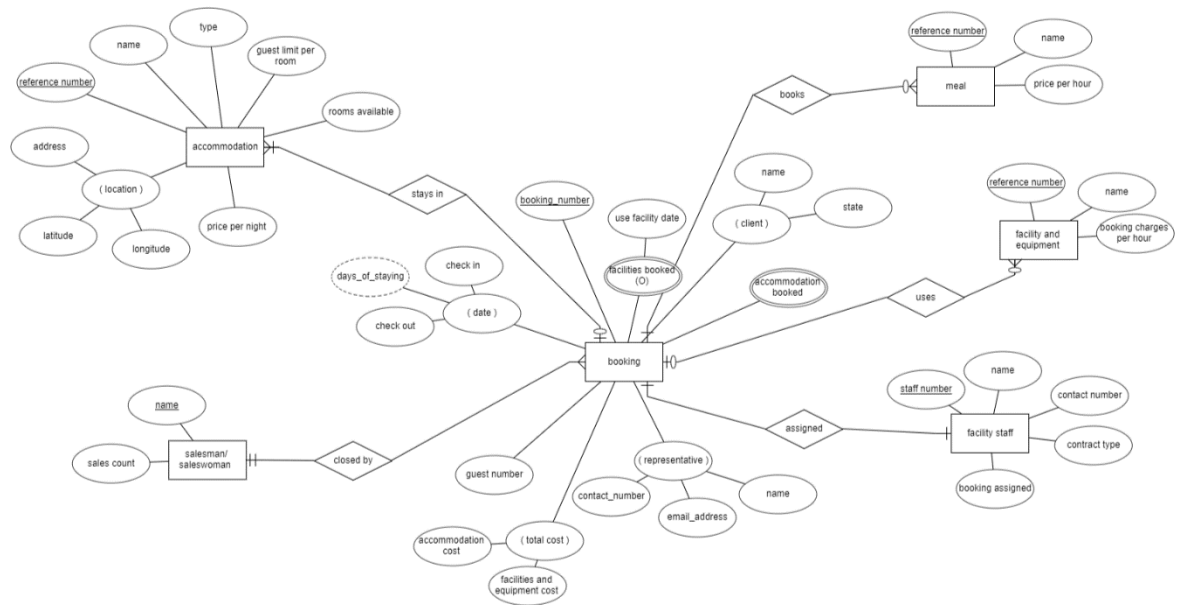
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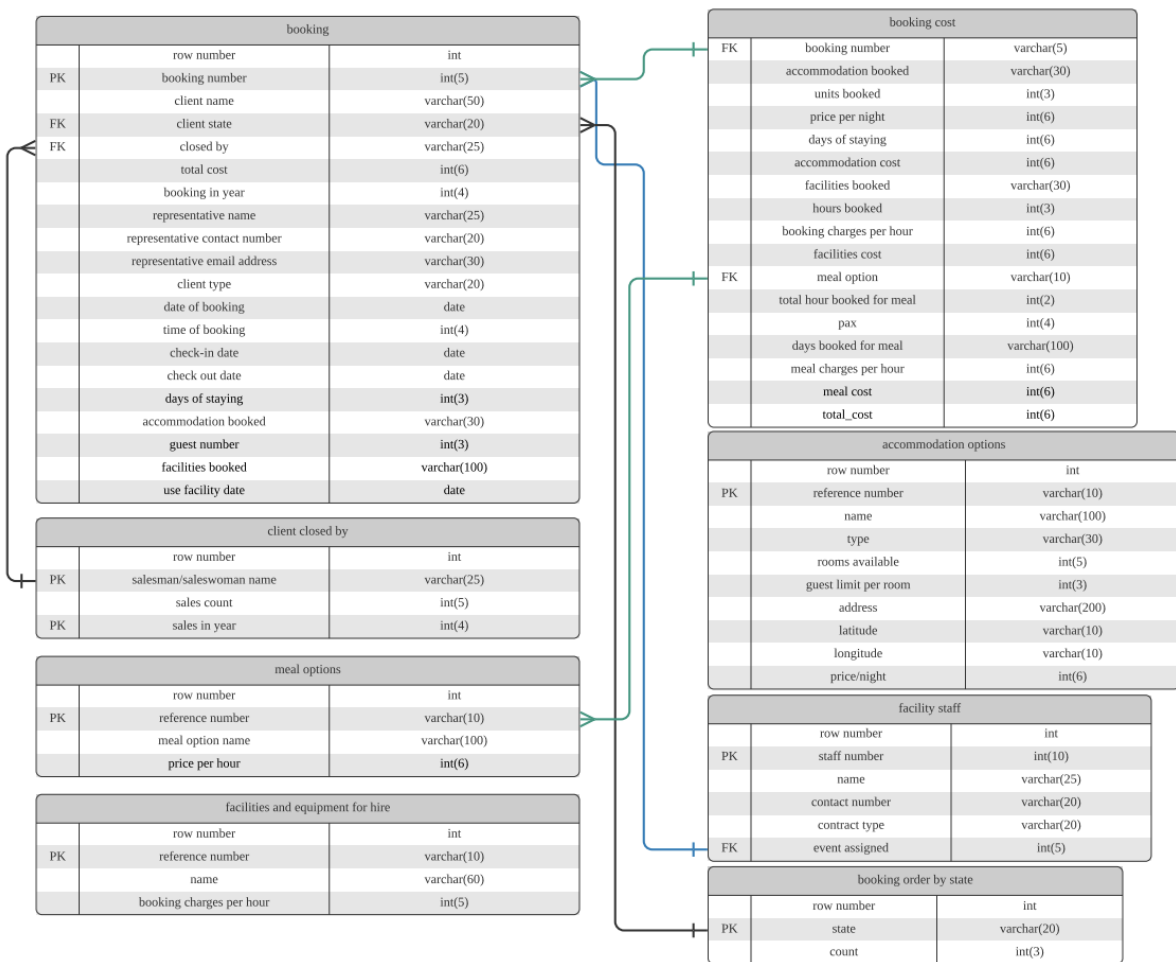
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Part A: Design

Entity-Relationship Diagram

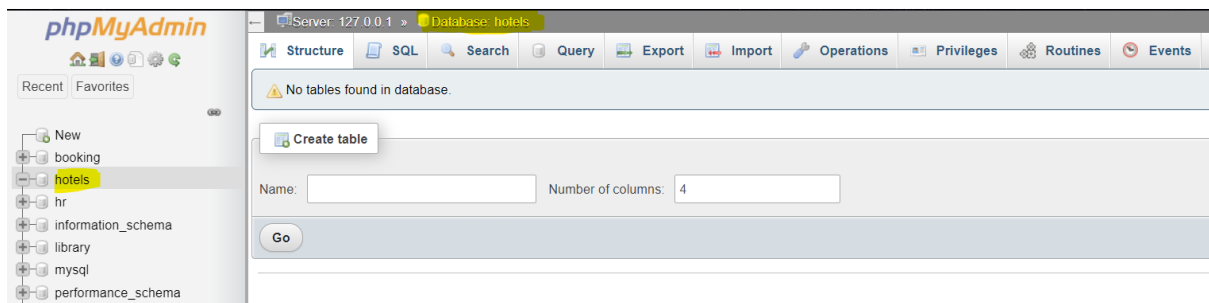


Physical Model



Part B: Deployment

CREATE DATABASE hotels;



A new database named Hotels was successfully created.

```
CREATE TABLE meal_options(  
    `row_number` int(5) AUTO_INCREMENT UNIQUE,  
    `reference_number` varchar(10) PRIMARY KEY,  
    `meal_option_name` varchar(100),  
    price_per_hour int(6)  
);
```

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|------------------|--------------|--------------------|------------|------|---------|----------|----------------|--|
| 1 | row_number | int(5) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | reference_number | varchar(10) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | meal_option_name | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 4 | price_per_hour | int(6) | | | Yes | NULL | | | Change Drop More |

The table named meal_option is created.

```
CREATE TABLE booking_order_by_state(  
    `row_number` int(5) AUTO_INCREMENT UNIQUE,  
    `state` varchar(20) PRIMARY KEY,  
    `COUNT` int(3)  
);
```

The screenshot shows the MySQL Workbench interface with the 'Table structure' tab selected for the 'booking_order_by_state' table. The table has three columns: 'row_number' (int(5), AUTO_INCREMENT), 'state' (varchar(20), utf8mb4_general_ci), and 'count' (int(3)). Each column has 'Change', 'Drop', and 'More' action buttons. The bottom toolbar includes options like 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', 'Fulltext', 'Add to central columns', and 'Remove from central columns'.

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|------------|-------------|--------------------|------------|------|---------|----------|----------------|------------------|
| 1 | row_number | int(5) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | state | varchar(20) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | count | int(3) | | | Yes | NULL | | | Change Drop More |

The table named booking_order_by_state is created.

```
CREATE TABLE client_closed_by(
    `row_number` int(5) AUTO_INCREMENT UNIQUE,
    `salesman_name` varchar(25),
    `sales_count` int(5),
    `sales_in_year` int(4),
    PRIMARY KEY (salesman_name,sales_in_year)
);
```

The screenshot shows the MySQL Workbench interface with the 'Table structure' tab selected for the 'client_closed_by' table. The table has four columns: 'row_number' (int(5), AUTO_INCREMENT), 'salesman_name' (varchar(25), utf8mb4_general_ci), 'sales_count' (int(5)), and 'sales_in_year' (int(4)). Each column has 'Change', 'Drop', and 'More' action buttons. The bottom toolbar includes options like 'Check all', 'With selected', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', 'Fulltext', 'Add to central columns', and 'Remove from central columns'.

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|---------------|-------------|--------------------|------------|------|---------|----------|----------------|------------------|
| 1 | row_number | int(5) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | salesman_name | varchar(25) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | sales_count | int(5) | | | Yes | NULL | | | Change Drop More |
| 4 | sales_in_year | int(4) | | | No | None | | | Change Drop More |

The table named client_closed_by is created.

```
CREATE TABLE accommodation_options(
    `row_number` int(5) AUTO_INCREMENT UNIQUE,
    `reference_number` varchar(10) PRIMARY KEY,
    `name` varchar(100),
    `type` varchar(30),
    `rooms_available` int(5),
    `guest_limit_per_room` int(3),
```

```

`address` varchar(200),

`latitude` varchar(10),

`longitude` varchar(10),

`price_per_night` int(6)

);

```

The screenshot shows the 'Table structure' view for the 'accommodation_options' table in the 'hotels' database. The table has 10 columns: row_number, reference_number, name, type, rooms_available, guest_limit_per_room, address, latitude, longitude, and price_per_night. The 'row_number' column is an auto-incrementing integer. The 'reference_number' column is a primary key. All columns are of type varchar except for the integer columns.

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|----|----------------------|--------------|--------------------|------------|------|---------|----------|----------------|------------------|
| 1 | row_number | int(5) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | reference_number | varchar(10) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | name | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 4 | type | varchar(30) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 5 | rooms_available | int(5) | | | Yes | NULL | | | Change Drop More |
| 6 | guest_limit_per_room | int(3) | | | Yes | NULL | | | Change Drop More |
| 7 | address | varchar(200) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 8 | latitude | varchar(10) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 9 | longitude | varchar(10) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 10 | price_per_night | int(5) | | | Yes | NULL | | | Change Drop More |

The table named accomodation_options is created.

```

CREATE TABLE facilities_and_equipment_for_hire (

`row_number` int(5) AUTO_INCREMENT UNIQUE,

`reference_number` varchar(10) PRIMARY KEY,

`name` varchar(60),

`booking_charges_per_hour` int(5)

);

```

The screenshot shows the 'Table structure' view for the 'facilities_and_equipment_for_hire' table in the 'hotels' database. The table has 4 columns: row_number, reference_number, name, and booking_charges_per_hour. The 'row_number' column is an auto-incrementing integer. The 'reference_number' column is a primary key. The 'name' column is a varchar(60). The 'booking_charges_per_hour' column is an integer.

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|--------------------------|-------------|--------------------|------------|------|---------|----------|----------------|------------------|
| 1 | row_number | int(5) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | reference_number | varchar(10) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | name | varchar(60) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 4 | booking_charges_per_hour | int(5) | | | Yes | NULL | | | Change Drop More |

The table named facilities_and_equipment_for_hire is created.

```

CREATE TABLE booking(
`row_number` int(5) AUTO_INCREMENT UNIQUE,
`booking_number` varchar(5),
`client_name` varchar(50),
`client_state` varchar(20),
`closed_by` varchar(25),
`booking_in_year` int(4),
`representative_name` varchar(25),
`representative_contact_number` varchar(20),
`representative_email_address` varchar(50),
`client_type` varchar(20),
`date_of_booking` date,
`time_of_booking` int(4),
`check_in_date` date,
`check_out_date` date,
`accommodation_booked` varchar(30),
`guest_number` int(3),
`facilities_booked` varchar(100),
`use_facility_date` date ,
PRIMARY KEY(booking_number),
FOREIGN KEY(client_state) REFERENCES booking_order_by_state(state),
FOREIGN KEY(closed_by) REFERENCES client_closed_by(salesman_name)
);

```


| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|----|-------------------------------|--------------|--------------------|------------|------|---------|----------|----------------|------------------|
| 1 | row_number | int(5) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | booking_number | varchar(5) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | client_name | varchar(50) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 4 | client_state | varchar(20) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 5 | closed_by | varchar(25) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 6 | booking_in_year | int(4) | | | Yes | NULL | | | Change Drop More |
| 7 | representative_name | varchar(25) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 8 | representative_contact_number | varchar(20) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 9 | representative_email_address | varchar(50) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 10 | client_type | varchar(20) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 11 | date_of_booking | date | | | Yes | NULL | | | Change Drop More |
| 12 | time_of_booking | int(4) | | | Yes | NULL | | | Change Drop More |
| 13 | check_in_date | date | | | Yes | NULL | | | Change Drop More |
| 14 | check_out_date | date | | | Yes | NULL | | | Change Drop More |
| 15 | accommodation_booked | varchar(30) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 16 | guest_number | int(3) | | | Yes | NULL | | | Change Drop More |
| 17 | facilities_booked | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 18 | use_facility_date | date | | | Yes | NULL | | | Change Drop More |

The table named booking is created.

```
CREATE TABLE facility_staff(
`row_number` int(5) AUTO_INCREMENT UNIQUE ,
`staff_number` varchar(10) PRIMARY KEY,
`name` varchar(25),
`contact_number` varchar(20),
`contract_type` varchar(20),
`event_assigned` varchar(5),
FOREIGN KEY(event_assigned) REFERENCES booking(booking_number)
);
```

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|---|----------------|-------------|--------------------|------------|------|---------|----------|----------------|------------------|
| 1 | row_number | int(5) | | | No | None | | AUTO_INCREMENT | Change Drop More |
| 2 | staff_number | varchar(10) | utf8mb4_general_ci | | No | None | | | Change Drop More |
| 3 | name | varchar(25) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 4 | contact_number | varchar(20) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 5 | contract_type | varchar(20) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 6 | event_assigned | varchar(5) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |

The table named facility_staff is created.

```

CREATE TABLE booking_cost(

`booking_number` varchar(5),

`accommodation_booked` varchar(30),

`units_booked` int(3),

`price_per_night` int(6),

`days_of_staying` int(6),

`accommodation_cost` int(6),

`facilities_booked` varchar(30),

`hours_booked` int(3),

`booking_charges_per_hour` int(6),

`facilities_cost` int(6),

`meal_option` varchar(10),

`total_hour_booked_for_meal` int(2),

`pax` int(4),

`days_booked_for_meal` varchar(100),

`meal_charges_per_hour` int(6),

`meal_cost` int(6),

`total_cost` int(6),

`new_total_cost` float(8,2),

FOREIGN KEY (booking_number) REFERENCES booking(booking_number),

FOREIGN KEY(meal_option) REFERENCES meal_options(reference_number)

);

```

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|----|----------------------------|--------------|--------------------|------------|------|---------|----------|-------|------------------|
| 1 | booking_number | varchar(5) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 2 | accommodation_booked | varchar(30) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 3 | units_booked | int(3) | | | Yes | NULL | | | Change Drop More |
| 4 | price_per_night | int(5) | | | Yes | NULL | | | Change Drop More |
| 5 | days_of_staying | int(6) | | | Yes | NULL | | | Change Drop More |
| 6 | accommodation_cost | int(6) | | | Yes | NULL | | | Change Drop More |
| 7 | facilities_booked | varchar(30) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 8 | hours_booked | int(3) | | | Yes | NULL | | | Change Drop More |
| 9 | booking_charges_per_hour | int(6) | | | Yes | NULL | | | Change Drop More |
| 10 | facilities_cost | int(6) | | | Yes | NULL | | | Change Drop More |
| 11 | meal_option | varchar(10) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 12 | total_hour_booked_for_meal | int(2) | | | Yes | NULL | | | Change Drop More |
| 13 | pax | int(4) | | | Yes | NULL | | | Change Drop More |
| 14 | days_booked_for_meal | varchar(100) | utf8mb4_general_ci | | Yes | NULL | | | Change Drop More |
| 15 | meal_charges_per_hour | int(6) | | | Yes | NULL | | | Change Drop More |
| 16 | meal_cost | int(6) | | | Yes | NULL | | | Change Drop More |
| 17 | total_cost | int(6) | | | Yes | NULL | | | Change Drop More |
| 18 | new_total_cost | float(8,2) | | | Yes | NULL | | | Change Drop More |

The table named booking_cost is created.

```
INSERT INTO `meal_options`(`reference_number`,`meal_option_name`,`price_per_hour`)
VALUES
```

```
("M01","Japanese buffet restaurant(Halal)", "50"),
```

```
("M02","Thai buffet restaurant(Non-halal)", "50"),
```

```
("M03","Self-catering facilities(Halal)","25")
```

| row_number | reference_number | meal_option_name | price_per_hour |
|------------|------------------|-----------------------------------|----------------|
| 1 | M01 | Japanese buffet restaurant(Halal) | 50 |
| 2 | M02 | Thai buffet restaurant(Non-halal) | 50 |
| 3 | M03 | Self-catering facilities(Halal) | 25 |

All the datas for the table named meal_option are successfully inserted.

```
INSERT INTO `booking_order_by_state`(`state`,`COUNT`) VALUES
```

```
("Johor","4"),
```

```
("Kedah","2"),
```

```
("Kelantan","2"),
```

```
("Malacca","2"),
```

| row_number | state | count |
|------------|-----------------|-------|
| 1 | Johor | 4 |
| 2 | Kedah | 2 |
| 3 | Kelantan | 2 |
| 4 | Malacca | 2 |
| 5 | Negeri Sembilan | 2 |
| 6 | Pahang | 3 |
| 7 | Penang | 6 |
| 8 | Perak | 2 |
| 9 | Perlis | 2 |
| 10 | Sabah | 4 |
| 11 | Sarawak | 2 |
| 12 | Selangor | 4 |
| 13 | Terengganu | 2 |

All the datas for the table named booking_order_by_state are successfully inserted.

```
INSERT INTO `client_closed_by`(`salesman_name`, `sales_count`, `sales_in_year`)
VALUES
```

```
("Anthony","4","2019"),
```

```
("Fatimah","8","2019"),
```

```
("Gary","7","2019"),
```

| row_number | salesman_name | sales_count | sales_in_year |
|------------|---------------|-------------|---------------|
| 1 | Anthony | 4 | 2019 |
| 5 | Anthony | 5 | 2020 |
| 2 | Fatimah | 8 | 2019 |
| 6 | Fatimah | 1 | 2020 |
| 3 | Gary | 7 | 2019 |
| 7 | Gary | 2 | 2020 |
| 4 | Megan | 6 | 2019 |
| 8 | Megan | 5 | 2020 |

All the datas for table named client_closed_by are successfully inserted.

```
INSERT INTO `accommodation_options`(`reference_number`, `name`, `type`,
`rooms_available`, `guest_limit_per_room`, `address`, `latitude`, `longitude`,
`price_per_night`) VALUES
```

("A0001","Snoopy Lupiz 4 star hotel single ","hotel","20","1","2Nd Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur.", "3.1390° N", "101.6869° E", "135"),

("A0002","Snoopy Lupiz 4 star hotel double ","hotel","20","2","3rd Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur.", "3.1390° N", "101.6869° E", "170"),

("A0003","Snoopy Lupiz 4 star hotel King suite","hotel","20","2","4th Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur.", "3.1390° N", "101.6869° E", "200"),

| row_number | reference_number | name | type | rooms_available | guest_limit_per_room | address | latitude | longitude | price_per_night |
|------------|------------------|--------------------------------------|----------------|-----------------|----------------------|--|-----------|-----------|-----------------|
| 1 | A0001 | Snoopy Lupiz 4 star hotel single | hotel | 20 | 1 | 2Nd Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur. | 3.1390° N | 101.6869° | 135 |
| 2 | A0002 | Snoopy Lupiz 4 star hotel double | hotel | 20 | 2 | 3rd Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur. | 3.1390° N | 101.6869° | 170 |
| 3 | A0003 | Snoopy Lupiz 4 star hotel King suite | hotel | 20 | 2 | 4th Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur. | 3.1390° N | 101.6869° | 200 |
| 4 | A0004 | Royale Hostel large dormitory | hostel | 20 | 8 | Villaraya Industrial Park, Jalan Sungai Lalang, 43500 Selangor. | 2.9611° N | 101.8210° | 60 |
| 5 | A0005 | Royale Hostel quad | hostel | 30 | 4 | Villaraya Industrial Park, Jalan Sungai Lalang, 43500 Selangor. | 2.9611° N | 101.8210° | 100 |
| 6 | A0006 | H&M campsite | camping ground | 1 | 40 | 21, Cangkat Kenari, 11900 Bayan Lepas, Pulau Pinang. | 5.2945° N | 100.2593° | 500 |
| 7 | A0007 | Peaceful Cave campsite | camping ground | 1 | 30 | No. 230 Ground Floor Jln Padungan Sarawak, 93100 Kuching, Sarawak. | 1.5535° N | 110.3593° | 450 |
| 8 | A0008 | Mellow star 3 star hotel single | hotel | 15 | 1 | A Persiaran Kuala Kangsar 1 Taman Muhibbah Baru, 30010 Ipoh, Perak. | 4.5975° N | 101.0901° | 65 |
| 9 | A0009 | Mellow star 3 star hotel twin | hotel | 10 | 2 | A Persiaran Kuala Kangsar 1 Taman Muhibbah Baru, 30010 Ipoh, Perak. | 4.5975° N | 101.0901° | 100 |
| 10 | A0010 | Chung Xiao resort dormitory | hostel | 12 | 6 | 191-A, Pekan Jitra 2, 06000 Jitra, Kedah. | 6.2644° N | 100.4202° | 150 |
| 11 | A0011 | Chung Xiao resort single | hostel | 12 | 1 | 191-A, Pekan Jitra 2, 06000 Jitra, Kedah. | 6.2644° N | 100.4202° | 60 |
| 12 | A0012 | Chung Xiao resort twin | hostel | 8 | 2 | 191-A, Pekan Jitra 2, 06000 Jitra, Kedah. | 6.2644° N | 100.4202° | 100 |
| 13 | A0013 | Ricola 5 star hotel single | hotel | 30 | 1 | Kawasan Perindustrian, Bandar Indera Mahkota, 25200 Kuantan, Pahang. | 3.7634° N | 103.2202° | 130 |
| 14 | A0014 | Ricola 5 star hotel double | hotel | 20 | 2 | Kawasan Perindustrian, Bandar Indera Mahkota, 25200 Kuantan, Pahang. | 3.7634° N | 103.2202° | 150 |
| 15 | A0015 | Ricola 5 star hotel triple | hotel | 10 | 3 | Kawasan Perindustrian, Bandar Indera Mahkota, 25200 Kuantan, Pahang. | 3.7634° N | 103.2202° | 170 |
| 16 | A0016 | Tatri campsite | camping ground | 1 | 25 | 2615 Kampung Sungai Ular Kuantan, 26080 Kuantan, Pahang. | 3.7634° N | 103.2202° | 350 |
| 17 | A0017 | No Cap Hostel single | hostel | 15 | 1 | Rumah Kedai Buloh Kubu Jln Pintu Pong Kota Bharu Kota Bharu, 15000 Kota Bharu, Kelantan. | 6.1248° N | 102.2544° | 75 |
| 18 | A0018 | No Cap Hostel double | hostel | 15 | 2 | Rumah Kedai Buloh Kubu Jln Pintu Pong Kota Bharu Kota Bharu, 15000 Kota Bharu, Kelantan. | 6.1248° N | 102.2544° | 100 |
| 19 | A0019 | Muse Resort | camping ground | 1 | 15 | 47 Jln Andalas 1 Kawasan Perindustrian Ringan, 70450 Seremban, Negeri Sembilan. | 2.7259° N | 101.9378° | 600 |
| 20 | A0020 | King's Nugget 3 star hotel single | hotel | 50 | 1 | Lot 3433 Batu 1 1/2 Jalan Kota Raja Kampung Jawa, 41000 Klang, Selangor. | 3.0449° N | 101.4456° | 50 |

All the datas for table named accommodation_options are successfully inserted.

INSERT INTO `facilities_and_equipment_for_hire`(`reference_number`, `name`, `booking_charges_per_hour`) VALUES

("FE001","Board meeting room","200"),

("FE002","Conference hall","1000"),

("FE003","Computing lab with Internet access","50"),

| row_number | reference_number | name | booking_charges_per_hour |
|------------|------------------|-------------------------------------|--------------------------|
| 1 | FE001 | Board meeting room | 200 |
| 2 | FE002 | Conference hall | 1000 |
| 3 | FE003 | Computing lab with Internet access | 50 |
| 4 | FE004 | Portable multi-media projection | 100 |
| 5 | FE005 | Presentation equipment | 100 |
| 6 | FE006 | Climbing wall with safety equipment | 100 |
| 7 | FE007 | Paint-ball court | 300 |
| 8 | FE008 | Swimming pool | 30 |
| 9 | FE009 | Basketball court | 20 |
| 10 | FE010 | Futsal | 20 |
| 11 | FE011 | BBQ corner | 50 |

All the datas for table named facilities_and_equipment_for_hire are successfully inserted.

```
INSERT INTO `booking`(`booking_number`,`client_name`,`client_state`,`closed_by`,  
`booking_in_year`,`representative_name`,`representative_contact_number`,  
`representative_email_address`,`client_type`,`date_of_booking`,`time_of_booking`,  
`check_in_date`,`check_out_date`,`accommodation_booked`,`guest_number`,  
`facilities_booked`,`use_facility_date`) VALUES
```

```
("B0001","XYZ Industries","Johor","Anthony","2019","Tony","017-  
2225698","xyzindustries@hotmail.com","Business","2019-01-21","1232","2019-01-  
28","2019-01-29","2*A0002","4","NULL ","NULL "),
```

```
("B0002","SteelFuse ","Penang","Fatimah","2019","Phillip","012-  
1312413","steelfuse@hotmail.com","Business","2019-02-02","1342","2019-02-05","2019-  
02-06","3*A0017","3","NULL ","NULL "),
```

```
("B0003","NULL","Penang","Fatimah","2019","Peter","013-  
1231231","peterlim23@gmail.com","Youth Group","2019-02-06","1943","2019-02-  
12","2019-02-15","A0019","12","2*FE009","2019-02-13"),
```

| row_number | booking_number | client_name | client_state | closed_by | booking_in_year | representative_name | representative_contact_number | representative_email_address | client_type | date_of_booking |
|------------|----------------|-------------------------------|-----------------|-----------|-----------------|---------------------|-------------------------------|---------------------------------|-------------|-----------------|
| 1 | B0001 | XYZ Industries | Johor | Anthony | 2019 | Tony | 017-2225698 | xyzindustries@hotmail.com | Business | 2019-01-21 |
| 2 | B0002 | SteelFuse | Penang | Fatimah | 2019 | Philip | 012-1312413 | steelfuse@hotmail.com | Business | 2019-02-02 |
| 3 | B0003 | NULL | Penang | Fatimah | 2019 | Peter | 013-1231231 | peterfm23@gmail.com | Youth Group | 2019-02-06 |
| 4 | B0004 | NULL | Johor | Anthony | 2019 | Nathan | 019-1312441 | nathan21@gmail.com | Family | 2019-02-22 |
| 5 | B0005 | Holy Oaks Elementary | Negeri Sembilan | Megan | 2019 | Eve | 018-2132112 | holyoakselementary@hotmail.com | School | 2019-02-28 |
| 6 | B0006 | Woodside International School | Sabah | Fatimah | 2019 | Eunice | 017-2131231 | woodsideschool@hotmail.com | School | 2019-03-06 |
| 7 | B0007 | NULL | Sarawak | Fatimah | 2019 | Julia | 018-1231412 | julakong@gmail.com | Family | 2019-03-09 |
| 8 | B0008 | Claywhite | Pahang | Megan | 2019 | Paul | 012-1241212 | claywhite@hotmail.com | Business | 2019-03-30 |
| 9 | B0009 | NULL | Pahang | Megan | 2019 | Samuel | 016-5446343 | samio@yahoo.com | Youth Group | 2019-04-11 |
| 10 | B0010 | Sivoo | Selangor | Gary | 2019 | Sam | 014-4242544 | sivoo@hotmail.com | Business | 2019-04-19 |
| 11 | B0011 | NULL | Kelantan | Fatimah | 2019 | Sia | 018-3523443 | sajackson@gmail.com | Youth Group | 2019-05-05 |
| 12 | B0012 | steelskin | Negeri Sembilan | Gary | 2019 | Logan | 012-8931241 | steelskin@hotmail.com | Business | 2019-05-22 |
| 13 | B0013 | NULL | Selangor | Anthony | 2019 | Diana | 016-1341552 | dianaprince@yahoo.com | Family | 2019-06-19 |
| 14 | B0014 | Heritage College | Perlis | Gary | 2019 | Mera | 019-8056734 | heritagecollege@hotmail.com | School | 2019-06-20 |
| 15 | B0015 | Burnt Brass | Sabah | Megan | 2019 | Dave | 018-4354366 | burntbrass@hotmail.com | Business | 2019-07-01 |
| 16 | B0016 | Patriot University | Kedah | Fatimah | 2019 | Phebe | 012-5489644 | patriotuni@hotmail.com | School | 2019-06-25 |
| 17 | B0017 | Assan Muly | Pahang | Gary | 2019 | Jordan | 018-4351445 | assanmuly@hotmail.com | Business | 2019-08-02 |
| 18 | B0018 | NULL | Penang | Gary | 2019 | Michael | 017-4526436 | michaelbryant@yahoo.com | Family | 2019-08-04 |
| 19 | B0019 | NULL | Perak | Anthony | 2019 | Jim | 016-1454514 | jbryant@yahoo.com | Family | 2019-08-21 |
| 20 | B0020 | Titan Brick | Kelantan | Megan | 2019 | Song | 019-4351431 | titanbrick@hotmail.com | Business | 2019-08-26 |
| 21 | B0021 | MetaLoad | Kedah | Megan | 2019 | Elaïne | 012-1345664 | metaload@hotmail.com | Business | 2019-09-05 |
| 22 | B0022 | Hawking's Academy | Johor | Gary | 2019 | Leah | 016-4516446 | hawkingacademy@hotmail.com | School | 2019-10-01 |
| 23 | B0023 | Tonia&Fene | Terengganu | Fatimah | 2019 | Lana | 017-1452556 | toniaandfene@hotmail.com | Business | 2019-10-13 |
| 24 | B0024 | NULL | Penang | Fatimah | 2019 | Malone | 016-8592626 | postmalone@gmail.com | Youth Group | 2019-12-20 |
| 25 | B0025 | Spizer | Perak | Gary | 2019 | Kendra | 012-6526645 | spizer@hotmail.com | Business | 2019-12-29 |
| 26 | B0026 | Moonvay College | Sabah | Megan | 2020 | Amad | 016-5754341 | moonvaycollege@hotmail.com | School | 2020-02-02 |
| 27 | B0027 | NULL | Terengganu | Anthony | 2020 | Caser | 011-4354236 | caser123@gmail.com | Youth Group | 2020-03-03 |
| 28 | B0028 | Garfield Land | Selangor | Anthony | 2020 | Bruce | 014-5654733 | garfieldland@hotmail.com | Business | 2020-03-09 |
| 29 | B0029 | Chung Hwa Private High School | Perlis | Anthony | 2020 | Selena | 015-5673643 | chunghwaprivhigh@hotmail.com | School | 2020-04-09 |
| 30 | B0030 | NULL | Penang | Gary | 2020 | Reuben | 018-3454656 | reubentan@yahoo.com | Family | 2020-04-22 |
| 31 | B0031 | Marissa Tution Centre | Selangor | Fatimah | 2020 | Jenny | 018-3489436 | marissatutioncentre@hotmail.com | School | 2020-04-23 |
| 32 | B0032 | Zedd industries | Penang | Megan | 2020 | Jazel | 016-6543253 | zedindustries@hotmail.com | Business | 2020-05-02 |
| 33 | B0033 | NULL | Malacca | Gary | 2020 | Jovane | 018-4356534 | jovaneool@gmail.com | Youth Group | 2020-05-29 |
| 34 | B0034 | NULL | Sarawak | Anthony | 2020 | Tamara | 011-4620556 | tamara@gmail.com | Youth Group | 2020-06-11 |
| 35 | B0035 | NULL | Sabah | Megan | 2020 | Felix | 014-6532962 | megarico@gmail.com | Family | 2020-06-19 |
| 36 | B0036 | Heng Corporation | Malacca | Megan | 2020 | Emily | 015-6434643 | hengcorp@hotmail.com | Business | 2020-12-20 |
| 37 | B0037 | NULL | Johor | Anthony | 2020 | Jonah | 018-4259832 | jonah588@gmail.com | Youth Group | 2020-12-25 |

| row_number | time_of_booking | check_in_date | check_out_date | accommodation_booked | guest_number | facilities_booked | use_facility_date |
|------------|-----------------|---------------|----------------|----------------------|--------------|-------------------|-------------------|
| 1 | 1232 | 2019-01-28 | 2019-01-29 | 2*AO002 | 4 | NULL | 0000-00-00 |
| 2 | 1342 | 2019-02-05 | 2019-02-06 | 3*AO017 | 3 | NULL | 0000-00-00 |
| 3 | 1943 | 2019-02-12 | 2019-02-15 | A0019 | 12 | 2*FE009 | 2019-02-13 |
| 4 | 1636 | 2019-02-28 | 2019-03-02 | 2*AO003 | 4 | NULL | 0000-00-00 |
| 5 | 1541 | 2019-03-03 | 2019-03-04 | 6*AO010 | 30 | 3*FE010 | 2019-03-03 |
| 6 | 1455 | 2019-03-21 | 2019-03-24 | 10*AO010 | 50 | 5*FE002 | 2019-03-22 |
| 7 | 1723 | 2019-03-11 | 2019-03-18 | 2*AO017 | 10 | NULL | 0000-00-00 |
| 8 | 2042 | 2019-04-04 | 2019-04-05 | 1*AO013 | 1 | NULL | 0000-00-00 |
| 9 | 2124 | 2019-04-28 | 2019-05-04 | A0006 | 35 | 1*FE008 | 2019-04-29 |
| 10 | 2246 | 2019-04-24 | 2019-04-29 | 5*AO003 | 6 | NULL | 0000-00-00 |
| 11 | 1032 | 2019-05-09 | 2019-05-12 | A0016 | 20 | 4*FE011 | 2019-05-11 |
| 12 | 1324 | 2019-06-01 | 2019-06-03 | 7*AO001 | 7 | NULL | 0000-00-00 |
| 13 | 1934 | 2019-06-21 | 2019-06-24 | 2*AO002 | 4 | NULL | 0000-00-00 |
| 14 | 2356 | 2019-06-21 | 2019-06-24 | 3*AO010 | 15 | NULL | 0000-00-00 |
| 15 | 2253 | 2019-07-20 | 2019-07-22 | 1*AO009 | 2 | NULL | 0000-00-00 |
| 16 | 934 | 2019-07-01 | 2019-07-03 | A0007 | 25 | 6*FE002 | 2019-07-02 |
| 17 | 1123 | 2019-08-09 | 2019-08-13 | 1*AO009 | 2 | NULL | 0000-00-00 |
| 18 | 1452 | 2019-08-08 | 2019-08-11 | 2*AO015 | 6 | NULL | 0000-00-00 |
| 19 | 2321 | 2019-08-28 | 2019-08-30 | 2*AO003 | 4 | NULL | 0000-00-00 |
| 20 | 1725 | 2019-11-01 | 2019-11-03 | 1*AO013 | 1 | NULL | 0000-00-00 |
| 21 | 2025 | 2019-10-01 | 2019-10-07 | 1*AO013 | 6 | NULL | 0000-00-00 |
| 22 | 142 | 2019-11-11 | 2019-11-14 | A0016 | 22 | 4*FE011 | 2019-11-13 |
| 23 | 634 | 2019-10-19 | 2019-10-22 | 1*AO008 | 1 | NULL | 0000-00-00 |
| 24 | 2311 | 2020-01-24 | 2020-01-28 | 3*AO015 | 9 | 3*FE007 | 2020-01-26 |
| 25 | 1234 | 2020-01-02 | 2020-01-04 | 1*AO002 | 2 | NULL | 0000-00-00 |
| 26 | 1055 | 2020-05-03 | 2020-05-07 | A0006 | 35 | 2*FE009 | 2020-01-03 |
| 27 | 823 | 2020-04-04 | 2020-04-12 | A0019 | 12 | NULL | 0000-00-00 |
| 28 | 353 | 2020-03-12 | 2020-03-13 | 15*AO001 | 1 | NULL | 0000-00-00 |
| 29 | 835 | 2020-04-12 | 2020-04-14 | 3*AO010 | 30 | 3*FE011 | 2020-04-13 |
| 30 | 1424 | 2020-05-05 | 2020-05-09 | A0016 | 18 | NULL | 0000-00-00 |
| 31 | 332 | 2020-04-28 | 2020-05-01 | A0016 | 24 | NULL | 0000-00-00 |
| 32 | 1053 | 2020-05-04 | 2020-05-07 | 3*AO013 | 3 | NULL | 0000-00-00 |
| 33 | 1235 | 2020-06-06 | 2020-06-08 | 15*AO020 | 15 | 2*FE006 | 2020-06-07 |
| 34 | 2152 | 2020-06-18 | 2020-06-21 | 7*AO020 | 7 | NULL | 0000-00-00 |
| 35 | 1253 | 2020-08-22 | 2020-08-24 | 3*AO002 | 6 | 2*FE008 | 2020-08-23 |
| 36 | 750 | 2020-12-23 | 2020-12-24 | 4*AO018 | 8 | NULL | 0000-00-00 |
| 37 | 353 | 2020-12-26 | 2020-12-28 | A0006 | 36 | 2*FE006 | 2020-12-27 |

All the datas for table named booking are successfully inserted.

```
INSERT INTO `facility_staff`(`staff_number`,`name`,`contact_number`,`contract_type`,`event_assigned`) VALUES
```

```
("STF01","Denzel ","012-4756050","full-time","B0037"),
```


































```
("STF02","James","013-2345423","full-time","B0024"),
```

```
("STF03","Curry ","017-4112414","full-time","B0033")
```

| row_number | staff_number | name | contact_number | contract_type | event_assigned |
|------------|--------------|--------|----------------|---------------|----------------|
| 1 | STF01 | Denzel | 012-4756050 | full-time | B0037 |
| 2 | STF02 | James | 013-2345423 | full-time | B0024 |
| 3 | STF03 | Curry | 017-4112414 | full-time | B0033 |

All the datas for table named facility_staff are successfully inserted.

ALTER TABLE booking add column days_of_staying int(3) after check_out_date;

| | | representative_email_address | varchar(20) | utf8mb4_general_ci | Yes | NULL |  Change |  Drop |  More |
|--------------------------|----|------------------------------|--------------|--------------------|-----|------|--|--|--|
| <input type="checkbox"/> | 10 | client_type | varchar(20) | utf8mb4_general_ci | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 11 | date_of_booking | date | | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 12 | time_of_booking | int(4) | | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 13 | check_in_date | date | | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 14 | check_out_date | date | | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 15 | days_of_staying | int(3) | | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 16 | accommodation_booked | varchar(30) | utf8mb4_general_ci | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 17 | guest_number | int(3) | | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 18 | facilities_booked | varchar(100) | utf8mb4_general_ci | Yes | NULL |  Change |  Drop |  More |
| <input type="checkbox"/> | 19 | use_facility_date | date | | Yes | NULL |  Change |  Drop |  More |

The booking table is altered by adding a column named days_of_staying after check_out_date

UPDATE booking SET days_of_staying = DATEDIFF(check_out_date,check_in_date);

| row_number | check_in_date | check_out_date | days_of_staying |
|------------|---------------|----------------|-----------------|
| 1 | 2019-01-28 | 2019-01-29 | 1 |
| 2 | 2019-02-05 | 2019-02-06 | 1 |
| 3 | 2019-02-12 | 2019-02-15 | 3 |
| 4 | 2019-02-28 | 2019-03-02 | 2 |
| 5 | 2019-03-03 | 2019-03-04 | 1 |
| 6 | 2019-03-21 | 2019-03-24 | 3 |
| 7 | 2019-03-11 | 2019-03-18 | 7 |
| 8 | 2019-04-04 | 2019-04-05 | 1 |
| 9 | 2019-04-28 | 2019-05-04 | 6 |
| 10 | 2019-04-24 | 2019-04-29 | 5 |
| 11 | 2019-05-09 | 2019-05-12 | 3 |
| 12 | 2019-06-01 | 2019-06-03 | 2 |
| 13 | 2019-06-21 | 2019-06-24 | 3 |
| 14 | 2019-06-21 | 2019-06-24 | 3 |
| 15 | 2019-07-20 | 2019-07-22 | 2 |
| 16 | 2019-07-01 | 2019-07-03 | 2 |
| 17 | 2019-08-09 | 2019-08-13 | 4 |
| 18 | 2019-08-08 | 2019-08-11 | 3 |
| 19 | 2019-08-28 | 2019-08-30 | 2 |
| 20 | 2019-11-01 | 2019-11-03 | 2 |
| 21 | 2019-10-01 | 2019-10-07 | 6 |
| 22 | 2019-11-11 | 2019-11-14 | 3 |
| 23 | 2019-10-19 | 2019-10-22 | 3 |
| 24 | 2020-01-24 | 2020-01-28 | 4 |
| 25 | 2020-01-02 | 2020-01-04 | 2 |
| 26 | 2020-05-03 | 2020-05-07 | 4 |
| 27 | 2020-04-04 | 2020-04-12 | 8 |
| 28 | 2020-03-12 | 2020-03-13 | 1 |
| 29 | 2020-04-12 | 2020-04-14 | 2 |
| 30 | 2020-05-05 | 2020-05-09 | 4 |
| 31 | 2020-04-28 | 2020-05-01 | 3 |
| 32 | 2020-05-04 | 2020-05-07 | 3 |
| 33 | 2020-06-06 | 2020-06-08 | 2 |
| 34 | 2020-06-18 | 2020-06-21 | 3 |
| 35 | 2020-08-22 | 2020-08-24 | 2 |
| 36 | 2020-12-23 | 2020-12-24 | 1 |
| 37 | 2020-12-26 | 2020-12-28 | 2 |

The column day_of_staying from booking table has been updated by setting the value to the difference of check_out_date and check_in_date.

INSERT INTO

facilities_and_equipment_for_hire(reference_number,name,booking_charges_per_hour)

VALUES ('0','0', 0)

| row_number | reference_number | name | booking_charges_per_hour |
|------------|------------------|-------------------------------------|--------------------------|
| 1 | FE001 | Board meeting room | 200 |
| 2 | FE002 | Conference hall | 1000 |
| 3 | FE003 | Computing lab with Internet access | 50 |
| 4 | FE004 | Portable multi-media projection | 100 |
| 5 | FE005 | Presentation equipment | 100 |
| 6 | FE006 | Climbing wall with safety equipment | 100 |
| 7 | FE007 | Paint-ball court | 300 |
| 8 | FE008 | Swimming pool | 30 |
| 9 | FE009 | Basketball court | 20 |
| 10 | FE010 | Futsal | 20 |
| 11 | FE011 | BBQ corner | 50 |
| 12 | 0 | 0 | 0 |

New values are inserted into the table facilities_and_equipment_for_hire where the attributes are reference_number, name and booking_charges_per_hour.

INSERT INTO booking_cost(booking_number, accommodation_booked, units_booked, facilities_booked, hours_booked,

meal_option,total_hour_booked_for_meal,pax,days_booked_for_meal) VALUES

("B0001","A0002","2","0","0","M01","2","4","1"),

("B0002","A0017","3","0","0","M02","2","3","1"),

("B0003","A0019","1","FE009","2","M02","2","12","3"),

| booking_number | accommodation_booked | units_booked | price_per_night | days_of_staying | accommodation_cost | facilities_booked | hours_booked | booking_charges_per_hour | facilities_cost | meal_option | total_hour_booked_for_meal | pax | days_booked_for_meal | meal_charges_per_hour | meal_cost | total_cost | new_total_cost |
|----------------|----------------------|--------------|-----------------|-----------------|--------------------|-------------------|--------------|--------------------------|-----------------|-------------|----------------------------|-----|----------------------|-----------------------|-----------|------------|----------------|
| B0001 | A0002 | 2 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 4 | 1 | NULL | NULL | NULL | NULL |
| B0002 | A0017 | 3 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 3 | 1 | NULL | NULL | NULL | NULL |
| B0003 | A0019 | 1 | NULL | NULL | NULL | FE009 | 2 | NULL | NULL | M02 | 2 | 12 | 3 | NULL | NULL | NULL | NULL |
| B0004 | A0003 | 2 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 4 | 4 | NULL | NULL | NULL | NULL |
| B0005 | A0010 | 6 | NULL | NULL | NULL | FE010 | 3 | NULL | NULL | M01 | 2 | 30 | 1 | NULL | NULL | NULL | NULL |
| B0006 | A0015 | 10 | NULL | NULL | NULL | FE002 | 5 | NULL | NULL | M02 | 2 | 50 | 3 | NULL | NULL | NULL | NULL |
| B0007 | A0017 | 2 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 10 | 7 | NULL | NULL | NULL | NULL |
| B0008 | A0013 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 1 | 4 | NULL | NULL | NULL | NULL |
| B0009 | A0006 | 1 | NULL | NULL | NULL | FE008 | 1 | NULL | NULL | M03 | 2 | 35 | 6 | NULL | NULL | NULL | NULL |
| B0010 | A0002 | 3 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 6 | 5 | NULL | NULL | NULL | NULL |
| B0011 | A0016 | 1 | NULL | NULL | NULL | FE011 | 4 | NULL | NULL | M03 | 2 | 20 | 3 | NULL | NULL | NULL | NULL |
| B0012 | A0001 | 7 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 7 | 2 | NULL | NULL | NULL | NULL |
| B0013 | A0002 | 2 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 4 | 3 | NULL | NULL | NULL | NULL |
| B0014 | A0008 | 3 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 15 | 3 | NULL | NULL | NULL | NULL |
| B0015 | A0009 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 2 | 2 | NULL | NULL | NULL | NULL |
| B0016 | A0007 | 1 | NULL | NULL | NULL | FE007 | 6 | NULL | NULL | M03 | 2 | 25 | 2 | NULL | NULL | NULL | NULL |
| B0017 | A0009 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 2 | 4 | NULL | NULL | NULL | NULL |
| B0018 | A0015 | 2 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 6 | 3 | NULL | NULL | NULL | NULL |
| B0019 | A0003 | 2 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 4 | 2 | NULL | NULL | NULL | NULL |
| B0020 | A0013 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 1 | 2 | NULL | NULL | NULL | NULL |
| B0021 | A0013 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 6 | 6 | NULL | NULL | NULL | NULL |
| B0022 | A0016 | 1 | NULL | NULL | NULL | FE011 | 4 | NULL | NULL | M01 | 2 | 22 | 3 | NULL | NULL | NULL | NULL |
| B0023 | A0008 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 1 | 3 | NULL | NULL | NULL | NULL |
| B0024 | A0015 | 3 | NULL | NULL | NULL | FE007 | 3 | NULL | NULL | M02 | 2 | 9 | 4 | NULL | NULL | NULL | NULL |
| B0025 | A0002 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 2 | 2 | NULL | NULL | NULL | NULL |
| B0026 | A0006 | 1 | NULL | NULL | NULL | FE009 | 2 | NULL | NULL | M01 | 2 | 35 | 4 | NULL | NULL | NULL | NULL |
| B0027 | A0019 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 12 | 0 | NULL | NULL | NULL | NULL |
| B0028 | A0001 | 15 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 1 | 1 | NULL | NULL | NULL | NULL |
| B0029 | A0010 | 3 | NULL | NULL | NULL | FE011 | 3 | NULL | NULL | M02 | 2 | 30 | 2 | NULL | NULL | NULL | NULL |
| B0030 | A0016 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 18 | 4 | NULL | NULL | NULL | NULL |
| B0031 | A0016 | 1 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 24 | 3 | NULL | NULL | NULL | NULL |
| B0032 | A0015 | 3 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 3 | 3 | NULL | NULL | NULL | NULL |
| B0033 | A0020 | 15 | NULL | NULL | NULL | FE006 | 2 | NULL | NULL | M01 | 2 | 15 | 2 | NULL | NULL | NULL | NULL |
| B0034 | A0020 | 7 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 7 | 3 | NULL | NULL | NULL | NULL |
| B0035 | A0002 | 3 | NULL | NULL | NULL | FE008 | 2 | NULL | NULL | M02 | 2 | 6 | 2 | NULL | NULL | NULL | NULL |
| B0036 | A0010 | 4 | NULL | NULL | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 6 | 1 | NULL | NULL | NULL | NULL |
| B0037 | A0006 | 1 | NULL | NULL | NULL | FE006 | 2 | NULL | NULL | M03 | 2 | 36 | 2 | NULL | NULL | NULL | NULL |

All the datas for table named booking_cost are successfully inserted.

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0001') WHERE booking_number='B0001';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0002') WHERE booking_number='B0002';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0003') WHERE booking_number='B0003';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0004') WHERE booking_number='B0004';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0005') WHERE booking_number='B0005';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0006') WHERE booking_number='B0006';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0007') WHERE booking_number='B0007';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0008') WHERE booking_number='B0008';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0009') WHERE booking_number='B0009';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0010') WHERE booking_number='B0010';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0011') WHERE booking_number='B0011';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0012') WHERE booking_number='B0012';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0013') WHERE booking_number='B0013';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0014') WHERE booking_number='B0014';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0015') WHERE booking_number='B0015';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0016') WHERE booking_number='B0016';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0017') WHERE booking_number='B0017';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0018') WHERE booking_number='B0018';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0019') WHERE booking_number='B0019';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0020') WHERE booking_number='B0020';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0021') WHERE booking_number='B0021';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0022') WHERE booking_number='B0022';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0023') WHERE booking_number='B0023';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0024') WHERE booking_number='B0024';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0025') WHERE booking_number='B0025';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0026') WHERE booking_number='B0026';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0027') WHERE booking_number='B0027';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0028') WHERE booking_number='B0028';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0029') WHERE booking_number='B0029';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0030') WHERE booking_number='B0030';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0031') WHERE booking_number='B0031';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0032') WHERE booking_number='B0032';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0033') WHERE booking_number='B0033';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0034') WHERE booking_number='B0034';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0035') WHERE booking_number='B0035';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0036') WHERE booking_number='B0036';

UPDATE booking_cost SET days_of_staying = (SELECT (days_of_staying) FROM booking WHERE booking_number='B0037') WHERE booking_number='B0037';

→ Options

| booking_number | accommodation_booked | units_booked | price_per_night | days_of_staying | accommodation_cost | facilities_booked | hours_booked | booking_charges_per_hour | facilities_cost | meal_option | total_hour_booked_for_meal | pax | days_of_staying |
|----------------|----------------------|--------------|-----------------|-----------------|--------------------|-------------------|--------------|--------------------------|-----------------|-------------|----------------------------|-----|-----------------|
| B0001 | A0002 | 2 | NULL | 1 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 4 | 1 |
| B0002 | A0017 | 3 | NULL | 1 | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 3 | 1 |
| B0003 | A0019 | 1 | NULL | 3 | NULL | FE009 | 2 | NULL | NULL | M02 | 2 | 12 | 3 |
| B0004 | A0003 | 2 | NULL | 2 | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 4 | 4 |
| B0005 | A0010 | 6 | NULL | 1 | NULL | FE010 | 3 | NULL | NULL | M01 | 2 | 30 | 1 |
| B0006 | A0010 | 10 | NULL | 3 | NULL | FE002 | 5 | NULL | NULL | M02 | 2 | 50 | 3 |
| B0007 | A0017 | 2 | NULL | 7 | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 10 | 7 |
| B0008 | A0013 | 1 | NULL | 1 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 1 | 1 |
| B0009 | A0006 | 1 | NULL | 6 | NULL | FE008 | 1 | NULL | NULL | M03 | 2 | 35 | 6 |
| B0010 | A0003 | 5 | NULL | 5 | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 6 | 5 |
| B0011 | A0016 | 1 | NULL | 3 | NULL | FE011 | 4 | NULL | NULL | M03 | 2 | 20 | 3 |
| B0012 | A0001 | 7 | NULL | 2 | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 7 | 2 |
| B0013 | A0002 | 2 | NULL | 3 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 4 | 3 |
| B0014 | A0010 | 3 | NULL | 3 | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 15 | 3 |
| B0015 | A0009 | 1 | NULL | 2 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 2 | 2 |
| B0016 | A0007 | 1 | NULL | 2 | NULL | FE002 | 6 | NULL | NULL | M03 | 2 | 25 | 2 |
| B0017 | A0009 | 1 | NULL | 4 | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 2 | 4 |
| B0018 | A0015 | 2 | NULL | 3 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 6 | 3 |
| B0019 | A0003 | 2 | NULL | 2 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 4 | 2 |
| B0020 | A0013 | 1 | NULL | 2 | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 1 | 2 |
| B0021 | A0013 | 1 | NULL | 6 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 6 | 6 |
| B0022 | A0016 | 1 | NULL | 3 | NULL | FE011 | 4 | NULL | NULL | M01 | 2 | 22 | 3 |
| B0023 | A0008 | 1 | NULL | 3 | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 1 | 3 |
| B0024 | A0015 | 3 | NULL | 4 | NULL | FE007 | 3 | NULL | NULL | M02 | 2 | 9 | 4 |
| B0025 | A0002 | 1 | NULL | 2 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 2 | 2 |
| B0026 | A0006 | 1 | NULL | 4 | NULL | FE009 | 2 | NULL | NULL | M01 | 2 | 35 | 4 |
| B0027 | A0019 | 1 | NULL | 8 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 12 | 8 |
| B0028 | A0001 | 15 | NULL | 1 | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 1 | 1 |
| B0029 | A0010 | 3 | NULL | 2 | NULL | FE011 | 3 | NULL | NULL | M02 | 2 | 30 | 2 |
| B0030 | A0016 | 1 | NULL | 4 | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 16 | 4 |
| B0031 | A0016 | 1 | NULL | 3 | NULL | 0 | 0 | NULL | NULL | M03 | 2 | 24 | 3 |
| B0032 | A0013 | 3 | NULL | 3 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 3 | 3 |
| B0033 | A0020 | 15 | NULL | 2 | NULL | FE006 | 2 | NULL | NULL | M01 | 2 | 15 | 2 |
| B0034 | A0020 | 7 | NULL | 3 | NULL | 0 | 0 | NULL | NULL | M01 | 2 | 7 | 3 |
| B0035 | A0002 | 3 | NULL | 2 | NULL | FE008 | 2 | NULL | NULL | M02 | 2 | 6 | 2 |
| B0036 | A0015 | 4 | NULL | 1 | NULL | 0 | 0 | NULL | NULL | M02 | 2 | 8 | 1 |
| B0037 | A0006 | 1 | NULL | 2 | NULL | FE006 | 2 | NULL | NULL | M03 | 2 | 36 | 2 |

All datas in the attribute days_of_staying from table booking_cost are updated by the days_of_staying from table booking.

UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM accommodation_options WHERE reference_number =booking_cost.accommodation_booked) WHERE booking_number='B0001';

UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM accommodation_options WHERE reference_number =booking_cost.accommodation_booked) WHERE booking_number='B0002';

UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM accommodation_options WHERE reference_number =booking_cost.accommodation_booked) WHERE booking_number='B0003';

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0004';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0005';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0006';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0007';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0008';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0009';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0010';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0011';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0012';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0013';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0014';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0015';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0016';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0017';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0018';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0019';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0020';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0021';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0022';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0023';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0024';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0025';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0026';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0027';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0028';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0029';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0030';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0031';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0032';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0033';
```



```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0034';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0035';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0036';
```

```
UPDATE booking_cost SET price_per_night=(SELECT price_per_night FROM
accommodation_options WHERE reference_number =booking_cost.accommodation_booked)
WHERE booking_number='B0037';
```

▼ Updates

| booking_number | accommodation_booked | units_booked | price_per_night | days_of_staying | accommodation_cost | facilities_booked | hours_booked | booking_charges_per_hour | facilities_cost | meal_option | total_hour_booked_for_meal |
|----------------|----------------------|--------------|-----------------|-----------------|--------------------|-------------------|--------------|--------------------------|-----------------|-------------|----------------------------|
| B0001 | A0002 | 2 | 170 | 1 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0002 | A0017 | 3 | 75 | 1 | NULL | 0 | 0 | NULL | NULL | M02 | 2 |
| B0003 | A0019 | 1 | 600 | 3 | NULL | FE009 | 2 | NULL | NULL | M02 | 2 |
| B0004 | A0003 | 2 | 200 | 2 | NULL | 0 | 0 | NULL | NULL | M03 | 2 |
| B0005 | A0010 | 6 | 150 | 1 | NULL | FE010 | 3 | NULL | NULL | M01 | 2 |
| B0006 | A0010 | 10 | 150 | 3 | NULL | FE002 | 5 | NULL | NULL | M02 | 2 |
| B0007 | A0017 | 2 | 75 | 7 | NULL | 0 | 0 | NULL | NULL | M02 | 2 |
| B0008 | A0013 | 1 | 130 | 1 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0009 | A0006 | 1 | 500 | 6 | NULL | FE008 | 1 | NULL | NULL | M03 | 2 |
| B0010 | A0003 | 5 | 200 | 5 | NULL | 0 | 0 | NULL | NULL | M03 | 2 |
| B0011 | A0016 | 1 | 350 | 3 | NULL | FE011 | 4 | NULL | NULL | M03 | 2 |
| B0012 | A0001 | 7 | 135 | 2 | NULL | 0 | 0 | NULL | NULL | M02 | 2 |
| B0013 | A0002 | 2 | 170 | 3 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0014 | A0010 | 3 | 150 | 3 | NULL | 0 | 0 | NULL | NULL | M03 | 2 |
| B0015 | A0009 | 1 | 100 | 2 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0016 | A0007 | 1 | 450 | 2 | NULL | FE002 | 6 | NULL | NULL | M03 | 2 |
| B0017 | A0009 | 1 | 100 | 4 | NULL | 0 | 0 | NULL | NULL | M03 | 2 |
| B0018 | A0015 | 2 | 170 | 3 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0019 | A0003 | 2 | 200 | 2 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0020 | A0013 | 1 | 130 | 2 | NULL | 0 | 0 | NULL | NULL | M02 | 2 |
| B0021 | A0013 | 1 | 130 | 6 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0022 | A0016 | 1 | 350 | 3 | NULL | FE011 | 4 | NULL | NULL | M01 | 2 |
| B0023 | A0008 | 1 | 65 | 3 | NULL | 0 | 0 | NULL | NULL | M03 | 2 |
| B0024 | A0015 | 3 | 170 | 4 | NULL | FE007 | 3 | NULL | NULL | M02 | 2 |
| B0025 | A0002 | 1 | 170 | 2 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0026 | A0006 | 1 | 500 | 4 | NULL | FE009 | 2 | NULL | NULL | M01 | 2 |
| B0027 | A0019 | 1 | 600 | 8 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0028 | A0001 | 15 | 135 | 1 | NULL | 0 | 0 | NULL | NULL | M03 | 2 |
| B0029 | A0010 | 3 | 150 | 2 | NULL | FE011 | 3 | NULL | NULL | M02 | 2 |
| B0030 | A0016 | 1 | 350 | 4 | NULL | 0 | 0 | NULL | NULL | M02 | 2 |
| B0031 | A0016 | 1 | 350 | 3 | NULL | 0 | 0 | NULL | NULL | M03 | 2 |
| B0032 | A0013 | 3 | 130 | 3 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0033 | A0020 | 15 | 50 | 2 | NULL | FE006 | 2 | NULL | NULL | M01 | 2 |
| B0034 | A0020 | 7 | 50 | 3 | NULL | 0 | 0 | NULL | NULL | M01 | 2 |
| B0035 | A0002 | 3 | 170 | 2 | NULL | FE008 | 2 | NULL | NULL | M02 | 2 |
| B0036 | A0018 | 4 | 100 | 1 | NULL | 0 | 0 | NULL | NULL | M02 | 2 |
| B0037 | A0006 | 1 | 500 | 2 | NULL | FE006 | 2 | NULL | NULL | M03 | 2 |

All the datas in the attribute price_per_night from table booking_cost are updated by the price_per_night from accommodation_options with reference_number is the same as the accommodation_booked from booking_cost table.

```
UPDATE booking_cost SET
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE
booking_number='B0001';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0002';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0003';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0004';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0005';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0006';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0007';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0008';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0009';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0010';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0011';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0012';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0013';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0014';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0015';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0016';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0017';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0018';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0019';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0020';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0021';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0022';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0023';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0024';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0025';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0026';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0027';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0028';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0029';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0030';
```

```
UPDATE booking_cost SET  
accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE  
booking_number='B0031';
```

UPDATE booking_cost SET

accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE
booking_number='B0032';

UPDATE booking_cost SET

accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE
booking_number='B0033';

UPDATE booking_cost SET

accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE
booking_number='B0034';

UPDATE booking_cost SET

accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE
booking_number='B0035';

UPDATE booking_cost SET

accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE
booking_number='B0036';

UPDATE booking_cost SET

accommodation_cost=(units_booked*price_per_night*days_of_staying) WHERE
booking_number='B0037';

+ Options

| booking_number | accommodation_booked | units_booked | price_per_night | days_of_staying | accommodation_cost | facilities_booked | hours_booked | booking_charges_per_hour | facilities_cost | meal_option | total_hour_booked_for_m |
|----------------|----------------------|--------------|-----------------|-----------------|--------------------|-------------------|--------------|--------------------------|-----------------|-------------|-------------------------|
| B0001 | A0002 | 2 | 170 | 1 | 340 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0002 | A0017 | 3 | 75 | 1 | 225 | 0 | 0 | NULL | NULL | M02 | 2 |
| B0003 | A0019 | 1 | 600 | 3 | 1800 | FE009 | 2 | NULL | NULL | M02 | 2 |
| B0004 | A0003 | 2 | 200 | 2 | 800 | 0 | 0 | NULL | NULL | M03 | 2 |
| B0005 | A0010 | 6 | 150 | 1 | 900 | FE010 | 3 | NULL | NULL | M01 | 2 |
| B0006 | A0010 | 10 | 150 | 3 | 4500 | FE002 | 5 | NULL | NULL | M02 | 2 |
| B0007 | A0017 | 2 | 75 | 7 | 1050 | 0 | 0 | NULL | NULL | M02 | 2 |
| B0008 | A0013 | 1 | 130 | 1 | 130 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0009 | A0006 | 1 | 500 | 6 | 3000 | FE008 | 1 | NULL | NULL | M03 | 2 |
| B0010 | A0003 | 5 | 200 | 5 | 5000 | 0 | 0 | NULL | NULL | M03 | 2 |
| B0011 | A0016 | 1 | 350 | 3 | 1050 | FE011 | 4 | NULL | NULL | M03 | 2 |
| B0012 | A0001 | 7 | 135 | 2 | 1890 | 0 | 0 | NULL | NULL | M02 | 2 |
| B0013 | A0002 | 2 | 170 | 3 | 1020 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0014 | A0010 | 3 | 150 | 3 | 1350 | 0 | 0 | NULL | NULL | M03 | 2 |
| B0015 | A0009 | 1 | 100 | 2 | 200 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0016 | A0007 | 1 | 450 | 2 | 900 | FE002 | 6 | NULL | NULL | M03 | 2 |
| B0017 | A0009 | 1 | 100 | 4 | 400 | 0 | 0 | NULL | NULL | M03 | 2 |
| B0018 | A0015 | 2 | 170 | 3 | 1020 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0019 | A0003 | 2 | 200 | 2 | 800 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0020 | A0013 | 1 | 130 | 2 | 260 | 0 | 0 | NULL | NULL | M02 | 2 |
| B0021 | A0013 | 1 | 130 | 6 | 780 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0022 | A0016 | 1 | 350 | 3 | 1050 | FE011 | 4 | NULL | NULL | M01 | 2 |
| B0023 | A0008 | 1 | 65 | 3 | 195 | 0 | 0 | NULL | NULL | M03 | 2 |
| B0024 | A0015 | 3 | 170 | 4 | 2040 | FE007 | 3 | NULL | NULL | M02 | 2 |
| B0025 | A0002 | 1 | 170 | 2 | 340 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0026 | A0006 | 1 | 500 | 4 | 2000 | FE009 | 2 | NULL | NULL | M01 | 2 |
| B0027 | A0019 | 1 | 600 | 8 | 4800 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0028 | A0001 | 15 | 135 | 1 | 2025 | 0 | 0 | NULL | NULL | M03 | 2 |
| B0029 | A0010 | 3 | 150 | 2 | 900 | FE011 | 3 | NULL | NULL | M02 | 2 |
| B0030 | A0016 | 1 | 350 | 4 | 1400 | 0 | 0 | NULL | NULL | M02 | 2 |
| B0031 | A0016 | 1 | 350 | 3 | 1050 | 0 | 0 | NULL | NULL | M03 | 2 |
| B0032 | A0013 | 3 | 130 | 3 | 1170 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0033 | A0020 | 15 | 50 | 2 | 1500 | FE006 | 2 | NULL | NULL | M01 | 2 |
| B0034 | A0020 | 7 | 50 | 3 | 1050 | 0 | 0 | NULL | NULL | M01 | 2 |
| B0035 | A0002 | 3 | 170 | 2 | 1020 | FE008 | 2 | NULL | NULL | M02 | 2 |
| B0036 | A0018 | 4 | 100 | 1 | 400 | 0 | 0 | NULL | NULL | M02 | 2 |
| B0037 | A0006 | 1 | 500 | 2 | 1000 | FE006 | 2 | NULL | NULL | M03 | 2 |

All datas in the attribute accommodation_cost from table booking_cost are updated by

multiplying the units_booked, price_per_night and days_of_staying all together from the same table.

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0001';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0002';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0003';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0004';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0005';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0006';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0007';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0008';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0009';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0010';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0011';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0012';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0013';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0014';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0015';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0016';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0017';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0018';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0019';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0020';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0021';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0022';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0023';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0024';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0025';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0026';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0027';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0028';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0029';
```



```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0030';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0031';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0032';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0033';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0034';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0035';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0036';
```

```
UPDATE      booking_cost      SET      booking_charges_per_hour=(SELECT
booking_charges_per_hour      FROM      facilities_and_equipment_for_hire      WHERE
reference_number =booking_cost.facilities_booked) WHERE booking_number='B0037';
```

| booking_number | accommodation_booked | units_booked | price_per_night | days_of_staying | accommodation_cost | facilities_booked | hours_booked | booking_charges_per_hour | facilities_cost | meal_option | total_hour_booked_for_meal | pax |
|----------------|----------------------|--------------|-----------------|-----------------|--------------------|-------------------|--------------|--------------------------|-----------------|-------------|----------------------------|-----|
| B0001 | A0002 | 2 | 170 | 1 | 340 | 0 | 0 | 0 | NULL | M01 | 2 | 4 |
| B0002 | A0017 | 3 | 75 | 1 | 225 | 0 | 0 | 0 | NULL | M02 | 2 | 3 |
| B0003 | A0019 | 1 | 600 | 3 | 1800 | FE009 | 2 | 20 | NULL | M02 | 2 | 12 |
| B0004 | A0003 | 2 | 200 | 2 | 800 | 0 | 0 | 0 | NULL | M03 | 2 | 4 |
| B0005 | A0010 | 6 | 150 | 1 | 900 | FE010 | 3 | 20 | NULL | M01 | 2 | 30 |
| B0006 | A0010 | 10 | 150 | 3 | 4500 | FE002 | 5 | 1000 | NULL | M02 | 2 | 50 |
| B0007 | A0017 | 2 | 75 | 7 | 1050 | 0 | 0 | 0 | NULL | M02 | 2 | 10 |
| B0008 | A0013 | 1 | 130 | 1 | 130 | 0 | 0 | 0 | NULL | M01 | 2 | 1 |
| B0009 | A0006 | 1 | 500 | 6 | 3000 | FE008 | 1 | 30 | NULL | M03 | 2 | 35 |
| B0010 | A0003 | 5 | 200 | 5 | 5000 | 0 | 0 | 0 | NULL | M03 | 2 | 6 |
| B0011 | A0016 | 1 | 350 | 3 | 1050 | FE011 | 4 | 50 | NULL | M03 | 2 | 20 |
| B0012 | A0001 | 7 | 135 | 2 | 1890 | 0 | 0 | 0 | NULL | M02 | 2 | 7 |
| B0013 | A0002 | 2 | 170 | 3 | 1020 | 0 | 0 | 0 | NULL | M01 | 2 | 4 |
| B0014 | A0010 | 3 | 150 | 3 | 1350 | 0 | 0 | 0 | NULL | M03 | 2 | 15 |
| B0015 | A0009 | 1 | 100 | 2 | 200 | 0 | 0 | 0 | NULL | M01 | 2 | 2 |
| B0016 | A0007 | 1 | 450 | 2 | 900 | FE002 | 6 | 1000 | NULL | M03 | 2 | 25 |
| B0017 | A0009 | 1 | 100 | 4 | 400 | 0 | 0 | 0 | NULL | M03 | 2 | 2 |
| B0018 | A0015 | 2 | 170 | 3 | 1020 | 0 | 0 | 0 | NULL | M01 | 2 | 6 |
| B0019 | A0003 | 2 | 200 | 2 | 800 | 0 | 0 | 0 | NULL | M01 | 2 | 4 |
| B0020 | A0013 | 1 | 130 | 2 | 260 | 0 | 0 | 0 | NULL | M02 | 2 | 1 |
| B0021 | A0013 | 1 | 130 | 6 | 780 | 0 | 0 | 0 | NULL | M01 | 2 | 6 |
| B0022 | A0016 | 1 | 350 | 3 | 1050 | FE011 | 4 | 50 | NULL | M01 | 2 | 22 |
| B0023 | A0008 | 1 | 65 | 3 | 195 | 0 | 0 | 0 | NULL | M03 | 2 | 1 |
| B0024 | A0015 | 3 | 170 | 4 | 2040 | FE007 | 3 | 300 | NULL | M02 | 2 | 9 |
| B0025 | A0002 | 1 | 170 | 2 | 340 | 0 | 0 | 0 | NULL | M01 | 2 | 2 |
| B0026 | A0006 | 1 | 500 | 4 | 2000 | FE009 | 2 | 20 | NULL | M01 | 2 | 35 |
| B0027 | A0019 | 1 | 600 | 8 | 4800 | 0 | 0 | 0 | NULL | M01 | 2 | 12 |
| B0028 | A0001 | 15 | 135 | 1 | 2025 | 0 | 0 | 0 | NULL | M03 | 2 | 1 |
| B0029 | A0010 | 3 | 150 | 2 | 900 | FE011 | 3 | 50 | NULL | M02 | 2 | 30 |
| B0030 | A0016 | 1 | 350 | 4 | 1400 | 0 | 0 | 0 | NULL | M02 | 2 | 18 |
| B0031 | A0016 | 1 | 350 | 3 | 1050 | 0 | 0 | 0 | NULL | M03 | 2 | 24 |
| B0032 | A0013 | 3 | 130 | 3 | 1170 | 0 | 0 | 0 | NULL | M01 | 2 | 3 |
| B0033 | A0020 | 15 | 50 | 2 | 1500 | FE006 | 2 | 100 | NULL | M01 | 2 | 15 |
| B0034 | A0020 | 7 | 50 | 3 | 1050 | 0 | 0 | 0 | NULL | M01 | 2 | 7 |
| B0035 | A0002 | 3 | 170 | 2 | 1020 | FE008 | 2 | 30 | NULL | M02 | 2 | 6 |
| B0036 | A0018 | 4 | 100 | 1 | 400 | 0 | 0 | 0 | NULL | M02 | 2 | 8 |
| B0037 | A0006 | 1 | 500 | 2 | 1000 | FE006 | 2 | 100 | NULL | M03 | 2 | 36 |

All the datas in the attribute booking_charges_per_hours from table booking_cost are updated by booking_charges_per_hour from facilities_equipment_for_hire with reference_number is the same as facilities_booked from table booking_cost.

```
UPDATE booking_cost SET facilities_cost=booking_charges_per_hour*hours_booked;
```

```
UPDATE booking_cost SET
```

```
meal_cost=meal_charges_per_hour*total_hour_booked_for_meal*pax;
```

```
UPDATE booking_cost SET total_cost=(accommodation_cost+facilities_cost+meal_cost);
```

| hours_booked | booking_charges_per_hour | facilities_cost | meal_option | total_hour_booked_for_meal | pax | days_booked_for_meal | meal_charges_per_hour | meal_cost | total_cost | new_total_cost |
|--------------|--------------------------|-----------------|-------------|----------------------------|-----|----------------------|-----------------------|-----------|------------|----------------|
| 0 | 0 | 0 | M01 | 2 | 4 | 1 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M02 | 2 | 3 | 1 | NULL | NULL | NULL | NULL |
| 2 | 20 | 40 | M02 | 2 | 12 | 3 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M03 | 2 | 4 | 4 | NULL | NULL | NULL | NULL |
| 3 | 20 | 60 | M01 | 2 | 30 | 1 | NULL | NULL | NULL | NULL |
| 5 | 1000 | 5000 | M02 | 2 | 50 | 3 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M02 | 2 | 10 | 7 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 1 | 1 | NULL | NULL | NULL | NULL |
| 1 | 30 | 30 | M03 | 2 | 35 | 6 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M03 | 2 | 6 | 5 | NULL | NULL | NULL | NULL |
| 4 | 50 | 200 | M03 | 2 | 20 | 3 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M02 | 2 | 7 | 2 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 4 | 3 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M03 | 2 | 15 | 3 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 2 | 2 | NULL | NULL | NULL | NULL |
| 6 | 1000 | 6000 | M03 | 2 | 25 | 2 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M03 | 2 | 2 | 4 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 6 | 3 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 4 | 2 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M02 | 2 | 1 | 2 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 6 | 6 | NULL | NULL | NULL | NULL |
| 4 | 50 | 200 | M01 | 2 | 22 | 3 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M03 | 2 | 1 | 3 | NULL | NULL | NULL | NULL |
| 3 | 300 | 900 | M02 | 2 | 9 | 4 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 2 | 2 | NULL | NULL | NULL | NULL |
| 2 | 20 | 40 | M01 | 2 | 35 | 4 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 12 | 8 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M03 | 2 | 1 | 1 | NULL | NULL | NULL | NULL |
| 3 | 50 | 150 | M02 | 2 | 30 | 2 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M02 | 2 | 18 | 4 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M03 | 2 | 24 | 3 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 3 | 3 | NULL | NULL | NULL | NULL |
| 2 | 100 | 200 | M01 | 2 | 15 | 2 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M01 | 2 | 7 | 3 | NULL | NULL | NULL | NULL |
| 2 | 30 | 60 | M02 | 2 | 6 | 2 | NULL | NULL | NULL | NULL |
| 0 | 0 | 0 | M02 | 2 | 8 | 1 | NULL | NULL | NULL | NULL |
| 2 | 100 | 200 | M03 | 2 | 36 | 2 | NULL | NULL | NULL | NULL |

All the datas in attribute facilities_cost from table booking_cost are updated by multiplying booking_charges_per_hours with hours_booked.

All the datas in the attribute meal_cost from table booking_cost are updated by multiplying meal_charges_per hour with total_hour_booked for meal and pax.

All the data in attribute total_cost from table booking_cost are updated by multiplying accommodation_cost with facilities_cost.

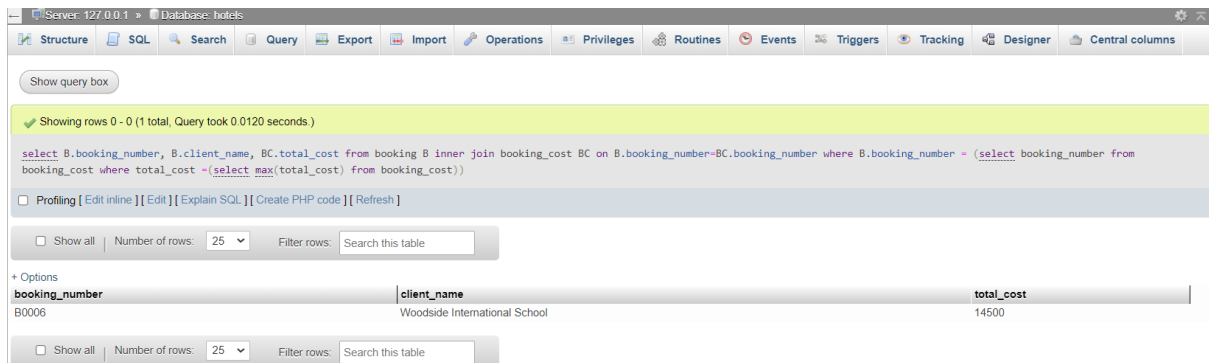
Part C: SQL Report

4. SELECT B.booking_number, B.client_name, BC.total_cost

FROM booking B INNER JOIN booking_cost BC on

B.booking_number=BC.booking_number

WHERE B.booking_number = (SELECT booking_number FROM booking_cost WHERE
total_cost =(SELECT max(total_cost) FROM booking_cost))



Server: 127.0.0.1 Database: hotels

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking Designer Central columns

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0120 seconds.)

```
select B.booking_number, B.client_name, BC.total_cost from booking B inner join booking_cost BC on B.booking_number=BC.booking_number where B.booking_number = (select booking_number from booking_cost where total_cost =(select max(total_cost) from booking_cost))
```

☐ Profiling ☐ Edit inline ☐ Edit ☐ Explain SQL ☐ Create PHP code ☐ Refresh

☐ Show all Number of rows: 25 Filter rows: Search this table

| booking_number | client_name | total_cost |
|----------------|-------------------------------|------------|
| B0006 | Woodside International School | 14500 |

☐ Show all Number of rows: 25 Filter rows: Search this table

5. SELECT client_name, representative_name, representative_contact_number

FROM booking

WHERE client_type="Business";

| client_name | representative_name | representative_contact_number |
|------------------|---------------------|-------------------------------|
| XYZ Industries | Tony | 017-2225698 |
| SteelFuse | Phillip | 012-1312413 |
| Claywhite | Paul | 012-1241212 |
| Silvoo | Sam | 014-4242544 |
| steelskin | Logan | 012-8931241 |
| Burnt Brass | Dave | 018-4354366 |
| Assan Mulry | Jordan | 018-4351445 |
| Titan Brick | Song | 019-4351431 |
| MetaLoad | Elaine | 012-1345664 |
| Torie&Ferne | Lana | 017-1452556 |
| Spizer | Kendra | 012-6526645 |
| Garfield Land | Bruce | 014-5654733 |
| Zedd industries | Jazel | 016-6543253 |
| Heng Corporation | Emily | 015-6434643 |

SELECT client_name, representative_name, representative_contact_number

FROM booking

WHERE client_type="Youth Group";

| client_name | representative_name | representative_contact_number |
|-------------|---------------------|-------------------------------|
| NULL | Peter | 013-1231231 |
| NULL | Samuel | 016-5446343 |
| NULL | Sia | 018-3523443 |
| NULL | Malone | 016-8592626 |
| NULL | Caser | 011-4354236 |
| NULL | Jovane | 010-4356534 |
| NULL | Tamara | 011-4620856 |
| NULL | Jonah | 018-4259832 |

SELECT client_name, representative_name, representative_contact_number

FROM booking

WHERE client_type="School";

| client_name | representative_name | representative_contact_number |
|-------------------------------|---------------------|-------------------------------|
| Holy Oaks Elementary | Eve | 018-2132112 |
| Woodside International School | Eunice | 017-2131231 |
| Heritage College | Mera | 019-9856734 |
| Patriot University | Phebe | 012-5489644 |
| Hawking's Academy | Leah | 016-4516446 |
| Moonway College | Amad | 016-5754341 |
| Chung Hwa Private High School | Seiena | 015-5673643 |
| Marrissa Tuition Centre | Jinny | 018-3469436 |

6. SELECT sum(rooms_available)

FROM accommodation_options

WHERE name like "%dormitory";

Showing rows 0 - 0 (1 total, Query took 0.0142 seconds.)

```
select sum(rooms_available) from accommodation_options where name like "%dormitory"
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all

Number of rows: 25

Filter rows: Search this table

+ Options

| sum(rooms_available) |
|----------------------|
| 32 |

7. UPDATE booking_cost

SET new_total_cost = (accommodation_cost+meal_cost+(facilities_cost*106/100));

SELECT sum(new_total_cost)

FROM booking_cost;

✓ 37 rows affected. (Query took 0.0193 seconds.)

```
update booking_cost set new_total_cost = (accommodation_cost+meal_cost+(facilities_cost*106/100))
```

[Edit inline] [Edit] [Create PHP code]

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available. ⓘ

✓ Showing rows 0 - 0 (1 total, Query took 0.0030 seconds.)

```
select sum(new_total_cost) from booking_cost
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

| sum(new_total_cost) |
|---------------------|
| 102369.80 |

8. SELECT sum(sales_COUNT)

FROM client_closed_by

WHERE sales_in_year=2020;

✓ Showing rows 0 - 0 (1 total, Query took 0.0140 seconds.)

```
select sum(sales_count) from client_closed_by where sales_in_year=2020
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

| sum(sales_count) |
|------------------|
| 13 |

9. SELECT salesman_name, sales_COUNT

FROM client_closed_by

WHERE sales_COUNT=(SELECT max(sales_COUNT) FROM client_closed_by WHERE sales_in_year=2020);.

| salesman_name | sales_count |
|---------------|-------------|
| Anthony | 5 |
| Megan | 5 |

Part D: Analysing database structure and designing useful reports

1. Fetch the sales in the year of 2019 for accommodation booked along with its total cost of booking.

```
SELECT B.booking_number,IF(client_name like "%NULL%", "(This booking is personal)",client_name),representative_name,total_cost
```

```
FROM booking B INNER JOIN booking_cost BC on
```

```
B.booking_number=BC.booking_number
```

```
WHERE YEAR(date_of_booking)='2019';
```

| + Options | | | |
|----------------|---|---------------------|------------|
| booking_number | IF(client_name like "%NULL%", "(This booking is personal)",client_name) | representative_name | total_cost |
| B0001 | XYZ Industries | Tony | 740 |
| B0002 | SteelFuse | Philip | 525 |
| B0003 | (This booking is personal) | Peter | 3040 |
| B0004 | (This booking is personal) | Nathan | 1000 |
| B0005 | Holy Oaks Elementary | Eve | 3960 |
| B0006 | Woodside International School | Eunice | 14500 |
| B0007 | (This booking is personal) | Julia | 2050 |
| B0008 | Claywhite | Paul | 230 |
| B0009 | (This booking is personal) | Samuel | 4780 |
| B0010 | Silvoo | Sam | 5300 |
| B0011 | (This booking is personal) | Sia | 2250 |
| B0012 | steelskin | Logan | 2590 |
| B0013 | (This booking is personal) | Diana | 1420 |
| B0014 | Heritage College | Mera | 2100 |
| B0015 | Burnt Brass | Dave | 400 |
| B0016 | Patriot University | Phebe | 8150 |
| B0017 | Assan Muly | Jordan | 500 |
| B0018 | (This booking is personal) | Michael | 1620 |
| B0019 | (This booking is personal) | Jin | 1200 |
| B0020 | Titan Brick | Song | 360 |
| B0021 | Metaload | Elaine | 1380 |
| B0022 | Hawking's Academy | Leah | 3450 |
| B0023 | Torie&Ferne | Lana | 245 |
| B0024 | (This booking is personal) | Malone | 3840 |
| B0025 | Spizer | Kendra | 540 |

2. Show the sales in each year

```
SELECT B.booking_in_year AS year, sum(BC.total_cost) AS total
```

```
FROM booking B INNER JOIN booking_cost BC ON
```

```
B.booking_number=BC.booking_number
```

```
GROUP BY year
```

```
ORDER BY year
```

| + Options | |
|-----------|-------|
| year | total |
| 2019 | 66170 |
| 2020 | 35415 |

3. Provide the second highest total booking cost.

```
SELECT booking_number,max(total_cost)
```

```
FROM booking_cost
```

```
WHERE total_cost not in (SELECT max(total_cost) FROM booking_cost);
```

| <input type="checkbox"/> Show all | Number of rows: 25 | Filter rows: Search this table |
|-----------------------------------|--------------------|--------------------------------|
| + Options | | |
| booking_number | max(total_cost) | |
| B0001 | 8150 | |
| <input type="checkbox"/> Show all | Number of rows: 25 | Filter rows: Search this table |

4. Sort out which accommodation most profitable and got the most bookings.

```
SELECT name, sum(accommodation_cost) AS profit_FROM_accommodation_only,
```

```
COUNT(accommodation_booked) AS COUNT
```

```
FROM booking_cost AS A INNER JOIN accommodation_options AS B
```

```
ON A.accommodation_booked=B.reference_number
```

```
GROUP BY accommodation_booked, name
```

```
ORDER BY profit_FROM_accommodation_only DESC,COUNT DESC;
```

| name | profit_from_accommodation_only | count |
|--------------------------------------|--------------------------------|-------|
| Chung Xiao resort dormitory | 7650 | 4 |
| Snoopy Lupiz 4 star hotel King suite | 6600 | 3 |
| Muse Resort | 6600 | 2 |
| H&M campsite | 6000 | 3 |
| Tatri campsite | 4550 | 4 |
| Snoopy Lupiz 4 star hotel single | 3915 | 2 |
| Ricola 5 star hotel triple | 3060 | 2 |
| Snoopy Lupiz 4 star hotel double | 2720 | 4 |
| King's Nugget 3 star hotel single | 2550 | 2 |
| Ricola 5 star hotel single | 2340 | 4 |
| No Cap Hostel single | 1275 | 2 |
| Peaceful Cave campsite | 900 | 1 |
| Mellow star 3 star hotel twin | 600 | 2 |
| No Cap Hostel double | 400 | 1 |
| Mellow star 3 star hotel single | 195 | 1 |

5. Provide the sales for the first 6 months since launch of database.

```
SELECT sum(total_cost)
```

```
FROM booking_cost BC INNER JOIN booking B on
```

```
BC.booking_number=B.booking_number
```

```
WHERE B.date_of_booking BETWEEN '2019-01-01' AND '2019-06-30';
```

```
sum(total_cost)
```

```
52635
```

Part E: Unforeseen Challenge

1. All facilities and restaurants might be closed.
2. Prohibit customers from state with high risk of Covid-19.
3. Add a column to record whether that person has contacted any infected. If the Boolean value is true, then will arrange quarantine for them.
4. Raise the booking cost for every accommodation and facility.
5. Due to pandemic there might be some bookings that demand different accommodation option (room type). Using the same booking number, we insert different accommodation option in different row. In order to calculate the total cost of different accommodation type booked by the same booking, we just need to use the SUM function.

| 1 | accommodation_booked | units_booked |
|-------|----------------------|--------------|
| B0001 | A0002 | 2 |
| B0001 | A0003 | 2 |
| B0001 | A0001 | 4 |

The column below is from the “booking” table. It does not participate in any calculation but only acts as a descriptive column. For example:

| Booking number | ... | Accommodation booked | ... |
|----------------|-----|---------------------------------|-----|
| B0001 | ... | A0002 * 2, A0003 * 2, A0001 * 4 | ... |

| accommodation_booked |
|----------------------|
| 2*A0002 |
| 3*A0017 |
| A0019 |
| 2*A0003 |
| 6*A0010 |
| 10*A0010 |

Reference

Similarity Justification

| ORIGINALITY REPORT | | | |
|--------------------|--|--------------|----------------|
| 3% | 0% | 0% | 2% |
| SIMILARITY INDEX | INTERNET SOURCES | PUBLICATIONS | STUDENT PAPERS |
| PRIMARY SOURCES | | | |
| 1 | Submitted to University of Greenwich Student Paper | | 1% |
| 2 | Submitted to Asia Pacific University College of Technology and Innovation (UCTI) Student Paper | | 1% |
| 3 | journals.plos.org Internet Source | | <1% |

Actual similarity = 0%

Evidence

Primary Source 1 and 2

| | |
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These can be excluded because it is the formatting for the footer.

Primary source 3

("A0001","Snoopy Lupiz 4 star hotel single ","hotel","20","1","2Nd Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur.", "3.1390° N", "101.6869° E", "135"),

("A0002","Snoopy Lupiz 4 star hotel double ","hotel","20","2","3rd Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur.", "3.1390° N", "101.6869° E", "170"),

("A0003","Snoopy Lupiz 4 star hotel King suite", "hotel", "20", "2", "4th Floor Wisma Heap Lee No. 139 2 Jalan Segambut, 51200 Kuala Lumpur.", "3.1390° N", "101.6869° E", "200"),

All of these can be deducted because it is the datas that we created by ourself.