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Batch B1

Assignment 3

Aim:

Execute the aggregate functions like count, sum, avg etc. on the suitable database. Make use of built-in functions according to the need of the database chosen. Retrieve the data from the database based on time and date functions like now (), date (), day (), time () etc. Use group by and having clauses

Commands:

To get total Rooms in hotel & average price of hotel.

Aggregate function Count () & Avg () is used.

```
ERROR 1146 (42S02): Table 'hotelmanagement.rooms' doesn't exist
mysql> select * from room;
+--------+-------+----------+---------------+
| RoomID | Price | RoomType | BookingStatus |
+--------+-------+----------+---------------+
| A1001  |  1000 | Regular  | 1             |
| A1002  |  1000 | Regular  | 0             |
| A2001  |  1500 | Regular  | 0             |
| A2002  |  2000 | Delux    | 1             |
| A3001  |  1500 | Delux    | 0             |
| A3002  |  4000 | Premium  | 0             |
+--------+-------+----------+---------------+
6 rows in set (0.00 sec)

mysql> select count(RoomID) from room ;
+---------------+
| count(RoomID) |
+---------------+
|             6 |
+---------------+
1 row in set (0.01 sec)

mysql> select Avg(Price) from room ;
+------------+
| Avg(Price) |
+------------+
|  1833.3333 |
+------------+
1 row in set (0.00 sec)
```

To find Total Turnover of hotel and Amount remaining from guests:

Aggregate function Sum () is used.

```
mysql> select * from payment;
+-------+-------------+-----------------+---------------+
| PayId | TotalAmount | AmountRemaining | PaymentMethod |
+-------+-------------+-----------------+---------------+
| P001  |        3000 |             500 | UPI           |
| P002  |        2000 |               0 | CASH          |
| P003  |        5000 |             500 | UPI           |
| P004  |        3000 |             500 | UPI           |
| P005  |        4000 |             500 | Cheque        |
| P006  |        2000 |            1500 | Cheque        |
| P007  |        1000 |               0 | UPI           |
| P008  |        1000 |               0 | UPI           |
+-------+-------------+-----------------+---------------+
8 rows in set (0.00 sec)

mysql> select sum(totalAmount) from payment;
+------------------+
| sum(totalAmount) |
+------------------+
|            21000 |
+------------------+
1 row in set (0.00 sec)

mysql> select sum(amountremaining) from payment;
+----------------------+
| sum(amountremaining) |
+----------------------+
|                 3500 |
+----------------------+
1 row in set (0.00 sec)

mysql>
```