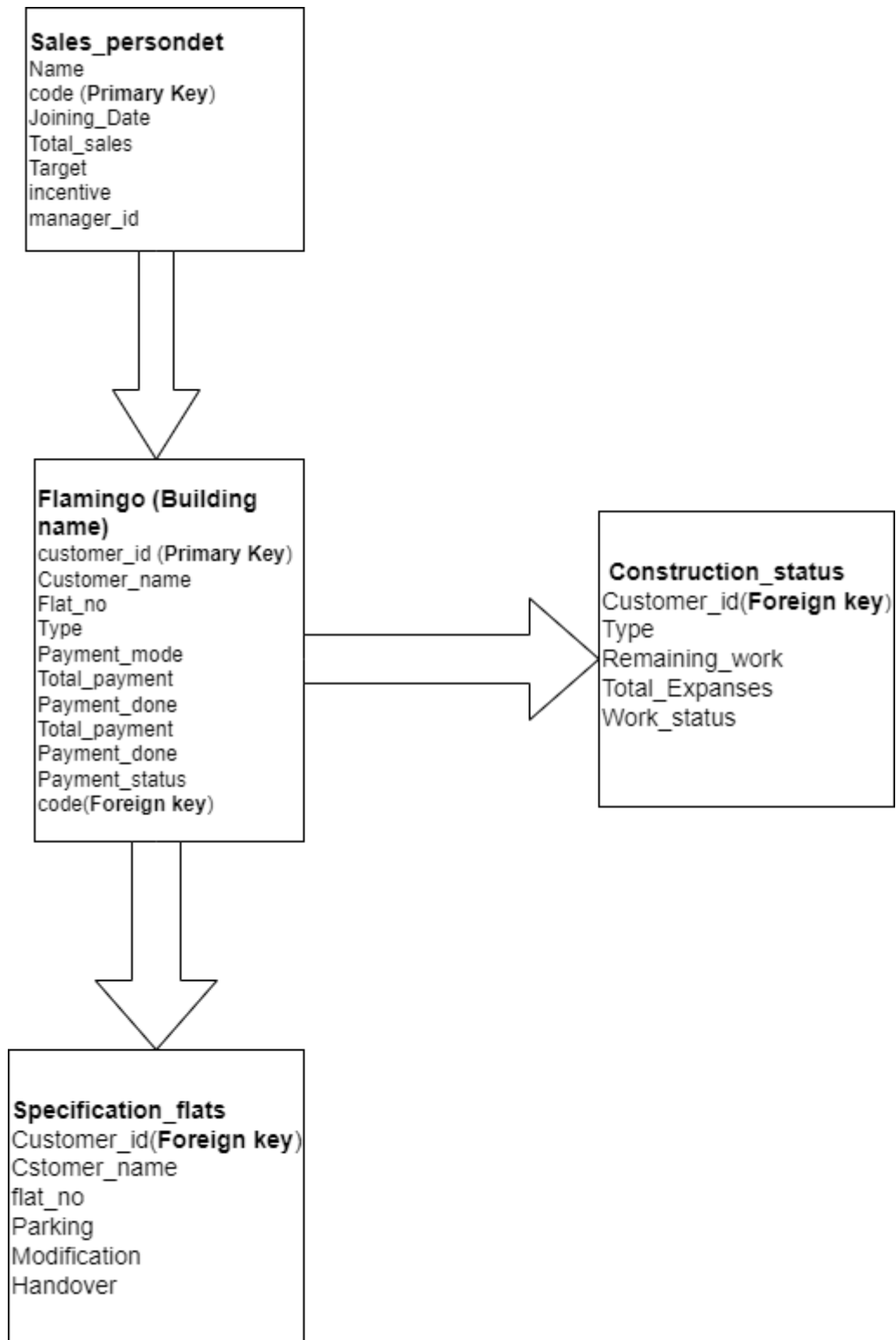# SUVARNALAY DEVELOPERS

MULUND (EAST) SITE

Building Name -
Flamingo

THIS IS THE SITE DATA OF OUR MULUND-(EAST) SITE. THIS IS CREATED FOR MANAGING ALL THE SALES DATA AND OTHER DATA RELATED TO BUILDING.

INFORMATION WE GET BY THIS DATABASE:-

- To collect all the data of buyers about flats.

- To get the sales done by sales person.

- To know the information about the payments.

- To find information about it's expanses and flats features.

ER Diagram

Sales_persondet
Name
code (**Primary Key**)
Joining_Date
Total_sales
Target
incentive
manager_id

Flamingo (Building name)
customer_id (**Primary Key**)
Customer_name
Flat_no
Type
Payment_mode
Total_payment
Payment_done
Total_payment
Payment_done
Payment_status
code(**Foreign key**)

Construction_status
Customer_id(**Foreign key**)
Type
Remaining_work
Total_Expanses
Work_status

Specification_flats
Customer_id(**Foreign key**)
Cstomer_name
flat_no
Parking
Modification
Handover

Description of tables :-

1) Sales Person details :-

```
MariaDB [vaibhav]> desc sales_persondet;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| Name         | varchar(40) | YES  |     | NULL    |       |
| Code         | int(11)     | NO   | PRI | NULL    |       |
| joining_date | date        | YES  |     | NULL    |       |
| Total_sales  | int(11)     | YES  |     | NULL    |       |
| target       | int(11)     | YES  |     | NULL    |       |
| Incentive    | int(11)     | YES  |     | NULL    |       |
| manager_id   | int(11)     | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
7 rows in set (0.027 sec)
```

We want the performance information of sales person's and all other data. Here sales person's code is set to primary key.

2) Flamingo :-

```
MariaDB [vaibhav]> desc flamingo;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| Customer_id    | int(11)     | NO   | PRI | NULL    |       |
| Customer_name  | varchar(40) | YES  |     | NULL    |       |
| flat_no        | int(11)     | YES  | UNI | NULL    |       |
| Type           | varchar(20) | YES  |     | NULL    |       |
| Payment_mode   | varchar(20) | YES  |     | NULL    |       |
| Total_payment  | int(11)     | NO   |     | NULL    |       |
| Payment_done   | int(11)     | YES  |     | NULL    |       |
| payment_status | varchar(20) | NO   |     | NULL    |       |
| code           | int(11)     | YES  | MUL | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
9 rows in set (0.009 sec)
```

Here in flamingo table customer id is unique and it should not kept empty, so it is set to primary key.

Each unit is sell by which sales person is given by the sales person's code column which is foreign key from the sales_persondet

3) Construction Status :-

```
MariaDB [vaibhav]> desc construction_status;
+----------------+-------------+------+-----+---------+-------+
| Field          | Type        | Null | Key | Default | Extra |
+----------------+-------------+------+-----+---------+-------+
| customer_id    | int(11)     | YES  | MUL | NULL    |       |
| Flat_no        | int(11)     | YES  | UNI | NULL    |       |
| Type           | varchar(10) | YES  |     | NULL    |       |
| Remaining_work | varchar(20) | YES  |     | NULL    |       |
| Total_expanses | int(11)     | YES  |     | NULL    |       |
| work_status    | varchar(10) | YES  |     | NULL    |       |
+----------------+-------------+------+-----+---------+-------+
6 rows in set (0.010 sec)
```

In this table we get the information construction related information.

Here Customer_id is foreign key which is coming from Flamingo table. Flat no should not be repeated so it is set to unique constraint.

4) Specification of flats :-

```
MariaDB [vaibhav]> desc Specification_flamingo;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| customer_id   | int(11)     | YES  | MUL | NULL    |       |
| Customer_name | varchar(40) | YES  |     | NULL    |       |
| flat_no       | int(11)     | YES  | UNI | NULL    |       |
| parking       | varchar(10) | NO   |     | NULL    |       |
| modification  | varchar(10) | YES  |     | NULL    |       |
| Handover      | varchar(20) | NO   |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
6 rows in set (0.008 sec)
```

In this table we get the information about the other specification of the flats.

Here Customer_id is foreign key which is coming from Flamingo table. Flat no should not be repeated so it is

Tables with Data :-

1) Sales person's data :-

```
MariaDB [vaibhav]> select * from sales_persondet;
+--------------------+------+--------------+-------------+-----------+-----------+------------+
| Name               | Code | joining_date | Total_sales | target    | Incentive | manager_id |
+--------------------+------+--------------+-------------+-----------+-----------+------------+
| Akash Aryan        |   11 | 2018-10-12   |    47526000 |  41336400 |     40000 |         16 |
| Vishal Nanaware    |   12 | 2018-12-01   |    38526000 |  41336400 |     40000 |         17 |
| Prathamesh khobrekar |  13 | 2019-02-01   |    38526000 |  41336400 |     40000 |         16 |
| Pragati Shinde     |   14 | 2019-03-01   |    41052000 |  41336400 |     40000 |         16 |
| Anjali Sinha       |   15 | 2019-03-01   |    41052000 |  41336400 |     40000 |         17 |
| Ravindra jaiswal   |   16 | 2019-04-01   |   127104000 | 124009200 |    120000 |         18 |
| Rahul Sakhuja      |   17 | 2019-05-01   |    79578000 |  82672800 |     80000 |         18 |
| Smita Chalak       |   18 | 2019-05-01   |   206682000 | 206682000 |      NULL |       NULL |
+--------------------+------+--------------+-------------+-----------+-----------+------------+
8 rows in set (0.000 sec)
```

2) Flamingo :-

```
MariaDB [vaibhav]> select * from flamingo;
+-------------+-----------------------+---------+------+--------------+---------------+--------------+----------------+------+
| Customer_id | Customer_name         | flat_no | Type | Payment_mode | Total_payment | Payment_done | payment_status | code |
+-------------+-----------------------+---------+------+--------------+---------------+--------------+----------------+------+
|        1211 | Bharat Khatwani       |     101 | 1BHK | SELF         |       9000000 |      4850000 | BALANCE        |   11 |
|        1212 | Lalit Darvekar        |     102 | 1BHK | SELF         |       9000000 |      7000000 | BALANCE        |   11 |
|        1213 | S Tidke               |     103 | 2BHK | LOAN         |      11526000 |      8000000 | BALANCE        |   12 |
|        1214 | Tushar Barge          |     201 | 1BHK | LOAN         |       9000000 |      8000000 | BALANCE        |   15 |
|        1215 | Priyanka Bodake       |     202 | 1BHK | LOAN         |       9000000 |      1726000 | BALANCE        |   14 |
|        1216 | Dr Prasanna Joshi     |     203 | 2BHK | LOAN         |      11526000 |      4000000 | BALANCE        |   13 |
|        1217 | Sachin Bhirud         |     301 | 1BHK | SELF         |       9000000 |      6500000 | BALANCE        |   15 |
|        1218 | Gajanan Gawhale       |     302 | 1BHK | SELF         |       9000000 |      9000000 | COMPLETE       |   12 |
|        1219 | Sanjaya Kumar Panigrahi |   303 | 2BHK | LOAN         |      11526000 |     10000000 | BALANCE        |   14 |
|        1220 | Shailendra Jadhav     |     401 | 1BHK | LOAN         |       9000000 |      2022000 | BALANCE        |   13 |
|        1221 | Bansal                |     402 | 1BHK | LOAN         |       9000000 |      3500000 | BALANCE        |   11 |
|        1222 | Saurabh Purandare     |     403 | 2BHK | SELF         |      11526000 |     11526000 | COMPLETE       |   14 |
|        1223 | Amruta                |     501 | 1BHK | LOAN         |       9000000 |      7500000 | BALANCE        |   12 |
|        1224 | Kunal Patil           |     502 | 1BHK | LOAN         |       9000000 |      4050000 | BALANCE        |   13 |
|        1225 | Anmol Meghadambar     |     503 | 2BHK | LOAN         |      11526000 |     10010000 | BALANCE        |   15 |
|        1226 | Yogesh Malani         |     601 | 1BHK | SELF         |       9000000 |      9000000 | COMPLETE       |   14 |
|        1227 | Piyush Aggarwal       |     602 | 1BHK | LOAN         |       9000000 |      3500000 | BALANCE        |   11 |
|        1228 | Piyush Aggarwal       |     603 | 2BHK | LOAN         |      11526000 |      8000000 | BALANCE        |   11 |
|        1229 | Shashank Pethe        |     701 | 1BHK | LOAN         |       9000000 |      8010000 | BALANCE        |   13 |
|        1230 | Samadhan Savant       |     702 | 1BHK | SELF         |       9000000 |      9000000 | COMPLETE       |   12 |
|        1231 | AmitA Barve           |     703 | 2BHK | SELF         |      11526000 |     11526000 | COMPLETE       |   15 |
+-------------+-----------------------+---------+------+--------------+---------------+--------------+----------------+------+
21 rows in set (0.000 sec)
```

3) Construction status :-

```
MariaDB [vaibhav]> select * from construction_status;
+-------------+---------+------+----------------------+----------------+------------+
| customer_id | Flat_no | Type | Remaining_work       | Total_expanses | work_status |
+-------------+---------+------+----------------------+----------------+------------+
|        1211 |     101 | 1BHK | Doors & Windows      |        4356765 | Incomplete |
|        1212 |     102 | 1BHK | Kitchen Lights       |        4200787 | Incomplete |
|        1213 |     103 | 2BHK | Clients Modification |        6734980 | Incomplete |
|        1214 |     201 | 1BHK | Complete             |        4460500 | complete   |
|        1215 |     202 | 1BHK | Entry Light          |        4587239 | Incomplete |
|        1216 |     203 | 2BHK | Lobby Light          |        6734650 | Incomplete |
|        1217 |     301 | 1BHK | Kitchen Sink         |        4287120 | Incomplete |
|        1218 |     302 | 1BHK | Complete             |        4440890 | complete   |
|        1219 |     303 | 2BHk | Falls ceiling Repair |        6843981 | Incomplete |
|        1220 |     401 | 1BHK | Door & Windows       |        4487120 | Incomplete |
|        1221 |     402 | 1BHk | clients Modification |        4378560 | Incomplete |
|        1222 |     403 | 2BHK | Complete             |        6880000 | complete   |
|        1223 |     501 | 1BHK | Complete             |        4478230 | complete   |
|        1224 |     502 | 1BHK | W C Repairing        |        4434875 | Incomplete |
|        1225 |     503 | 2BHK | Entry Door           |        6734980 | Incomplete |
|        1226 |     601 | 1BHK | Entry Door           |        4412870 | Incomplete |
|        1227 |     602 | 1BHK | Hall Window          |        4423870 | Incomplete |
|        1228 |     603 | 2BHK | Complete             |        6789560 | complete   |
|        1229 |     701 | 1BHK | clients Modification |        4498320 | Incomplete |
|        1230 |     702 | 1BHK | clients Modification |        4445780 | Incomplete |
|        1231 |     703 | 2BHK | Lobby Light          |        6745670 | Incomplete |
+-------------+---------+------+----------------------+----------------+------------+
21 rows in set (0.001 sec)
```

4) Specification of flats :-

```
MariaDB [vaibhav]> select * from specification_flamingo;
+-------------+------------------------+---------+------------+--------------+----------+
| customer_id | Customer_name          | flat_no | parking    | modification | Handover |
+-------------+------------------------+---------+------------+--------------+----------+
|        1211 | Bharat Khatwani        |     101 | Allotted   | YES          | YES      |
|        1212 | Lalit Darvakar         |     102 | Allotted   | no           | Yes      |
|        1213 | S Tidke                |     103 | Allotted   | Yes          | Yes      |
|        1214 | Tushar Barge           |     201 | Allotted   | No           | Yes      |
|        1215 | Priyanka Bodake        |     202 | Not Allott | No           | No       |
|        1216 |  Dr Prasanna Joshi     |     203 | Allotted   | No           | No       |
|        1217 |  Sachin Bhirud         |     301 | Allotted   | Yes          | No       |
|        1218 | Gajanan Gawhale        |     302 | Allotted   | Yes          | Yes      |
|        1219 | Sanjaya Kumar Panigrahi |    303 | Allotted   | No           | Yes      |
|        1220 | Shailendra Jadhav      |     401 | Not Allott | No           | No       |
|        1221 | Bansal                 |     402 | Not Allott | Yes          | No       |
|        1222 | Saurabh Purandare      |     403 | Allotted   | No           | Yes      |
|        1223 | Amruta                 |     501 | Allotted   | No           | Yes      |
|        1224 | Kunal Patil            |     502 | Allotted   | No           | No       |
|        1225 | Anmol Meghadambar      |     503 | Allotted   | No           | Yes      |
|        1226 | Yogesh Malani          |     601 | Allotted   | No           | Yes      |
|        1227 | Piyush Aggarwal        |     602 |            | No           |          |
|        1228 | Piyush Aggarwal        |     603 |            | No           |          |
|        1229 | Shashank Pethe         |     701 | Allotted   | Yes          | Yes      |
|        1230 |  Samadhan Savant       |     702 | Allotted   | Yes          | Yes      |
|        1231 | Amita Barve            |     703 | Allotted   | No           | Yes      |
+-------------+------------------------+---------+------------+--------------+----------+
21 rows in set (0.000 sec)
```

Subqueries :-

1) Find out the buyers who has done fully but work is still pending.

Query = select customer_id, customer_name, flat_no, payment_status from flamingo where payment_status = 'complete' and customer_id in (select customer_id from construction_status where work_status = 'Incomplete');

```
+-------------+-----------------+---------+----------------+
| customer_id | customer_name   | flat_no | payment_status |
+-------------+-----------------+---------+----------------+
|        1226 | Yogesh Malani   |     601 | COMPLETE       |
|        1230 | Samadhan Savant |     702 | COMPLETE       |
|        1231 | AmitA Barve     |     703 | COMPLETE       |
+-------------+-----------------+---------+----------------+
3 rows in set (0.010 sec)
```

2) Give the sales done by sales persons who are working under Ravindra Jaiswal.

Query = select customer_id, customer_name, flat_no, Type, payment_done, code from flamingo where code in (select code from sales_persondet where manager_id=16);

```
+-------------+------------------------+---------+------+--------------+------+
| customer_id | customer_name          | flat_no | Type | payment_done | code |
+-------------+------------------------+---------+------+--------------+------+
|        1211 | Bharat Khatwani        |     101 | 1BHK |      4850000 |   11 |
|        1212 | Lalit Darvekar         |     102 | 1BHK |      7000000 |   11 |
|        1215 | Priyanka Bodake        |     202 | 1BHK |      1726000 |   14 |
|        1216 | Dr Prasanna Joshi      |     203 | 2BHK |      4000000 |   13 |
|        1219 | Sanjaya Kumar Panigrahi|     303 | 2BHK |     10000000 |   14 |
|        1220 | Shailendra Jadhav      |     401 | 1BHK |      2022000 |   13 |
|        1221 | Bansal                 |     402 | 1BHK |      3500000 |   11 |
|        1222 | Saurabh Purandare      |     403 | 2BHK |     11526000 |   14 |
|        1224 | Kunal Patil            |     502 | 1BHK |      4050000 |   13 |
|        1226 | Yogesh Malani          |     601 | 1BHK |      9000000 |   14 |
|        1227 | Piyush Aggarwal        |     602 | 1BHK |      3500000 |   11 |
|        1228 | Piyush Aggarwal        |     603 | 2BHK |      8000000 |   11 |
|        1229 | Shashank Pethe         |     701 | 1BHK |      8010000 |   13 |
+-------------+------------------------+---------+------+--------------+------+
13 rows in set (0.001 sec)
```

3) Give the details whose kitchen sink work is still pending.

Query = select customer_id, customer_name, flat_no, payment_done from flamingo where customer_id = (select customer_id from construction_status where remaining_work = 'kitchen sink');

```
+-------------+----------------+---------+--------------+
| customer_id | customer_name  | flat_no | payment_done |
+-------------+----------------+---------+--------------+
|        1217 | Sachin Bhirud  |     301 |      6500000 |
+-------------+----------------+---------+--------------+
1 row in set (0.001 sec)
```

4) Give the details who has done highest sales.

Query = select customer_id, customer_name, flat_no, payment_done, payment_status, code from flamingo where code in (select code from sales_persondet having max (total_sales));

```
+-------------+-----------------+---------+--------------+----------------+------+
| customer_id | customer_name   | flat_no | payment_done | payment_status | code |
+-------------+-----------------+---------+--------------+----------------+------+
|        1211 | Bharat Khatwani |     101 |      4850000 | BALANCE        |   11 |
|        1212 | Lalit Darvekar  |     102 |      7000000 | BALANCE        |   11 |
|        1221 | Bansal          |     402 |      3500000 | BALANCE        |   11 |
|        1227 | Piyush Aggarwal |     602 |      3500000 | BALANCE        |   11 |
|        1228 | Piyush Aggarwal |     603 |      8000000 | BALANCE        |   11 |
+-------------+-----------------+---------+--------------+----------------+------+
5 rows in set (0.001 sec)
```

5) Find out the owners to whom hand over has given but payment has not paid in full.

Query = select customer_id, customer_name, flat_no, payment_done, total_payment from flamingo where payment_status = 'balance' and customer_id in (select customer_id from specification_flamingo where handover = 'yes') order by payment_done asc;

```
+-------------+-------------------------+---------+--------------+---------------+
| customer_id | customer_name           | flat_no | payment_done | total_payment |
+-------------+-------------------------+---------+--------------+---------------+
|        1211 | Bharat Khatwani         |     101 |      4850000 |       9000000 |
|        1212 | Lalit Darvekar          |     102 |      7000000 |       9000000 |
|        1223 | Amruta                  |     501 |      7500000 |       9000000 |
|        1214 | Tushar Barge            |     201 |      8000000 |       9000000 |
|        1213 | S Tidke                 |     103 |      8000000 |      11526000 |
|        1229 | Shashank Pethe          |     701 |      8010000 |       9000000 |
|        1219 | Sanjaya Kumar Panigrahi |     303 |     10000000 |      11526000 |
|        1225 | Anmol Meghadambar       |     503 |     10010000 |      11526000 |
+-------------+-------------------------+---------+--------------+---------------+
8 rows in set (0.003 sec)
```

6) Give the details of flats where client modification is still pending.

Query = select customer_id, Customer_name, Flat_no,Type from flamingo where customer_id in(select customer_id from construction_status where remaining_work in('clients modification'));

```
+-------------+------------------+---------+------+
| customer_id | Customer_name    | Flat_no | Type |
+-------------+------------------+---------+------+
|        1213 | S Tidke          |     103 | 2BHK |
|        1221 | Bansal           |     402 | 1BHK |
|        1229 | Shashank Pethe   |     701 | 1BHK |
|        1230 | Samadhan Savant  |     702 | 1BHK |
+-------------+------------------+---------+------+
4 rows in set (0.001 sec)
```

7) Give the information of buyers who has done minimum payment and gets the hand over.

Query = select customer_id, customer_name, flat_no, type, min(payment_done), total_payment from flamingo where payment_status = 'balance' and customer_id in (select customer_id from specification_flamingo where handover = 'yes') group by type order by payment_done desc ;

```
+-------------+------------------+---------+------+--------------------+---------------+
| customer_id | customer_name    | flat_no | type | min( payment_done) | total_payment |
+-------------+------------------+---------+------+--------------------+---------------+
|        1213 | S Tidke          |     103 | 2BHK |            8000000 |      11526000 |
|        1211 | Bharat Khatwani  |     101 | 1BHK |            4850000 |       9000000 |
+-------------+------------------+---------+------+--------------------+---------------+
2 rows in set (0.001 sec)
```

8) Give the total expanses of flats whose payment is complete.

Query = select customer_id, flat_no, Type, total_expanses from construction_status where customer_id in (select customer_id from flamingo where payment_status = 'complete');

```
+-------------+---------+------+----------------+
| customer_id | flat_no | Type | total_expanses |
+-------------+---------+------+----------------+
|        1218 |     302 | 1BHK |        4440890 |
|        1222 |     403 | 2BHK |        6880000 |
|        1226 |     601 | 1BHK |        4412870 |
|        1230 |     702 | 1BHK |        4445780 |
|        1231 |     703 | 2BHK |        6745670 |
+-------------+---------+------+----------------+
5 rows in set (0.001 sec)
```

9) Give the remaining work of owners who has done full payment.

Query = select customer_id, flat_no, remaining_work, total_expanses from construction_status where work_status = 'incomplete' and customer_id in (select customer_id from flamingo where payment_status = 'complete');

```
+-------------+---------+----------------------+----------------+
| customer_id | flat_no | remaining_work       | total_expanses |
+-------------+---------+----------------------+----------------+
|        1226 |     601 | Entry Door           |        4412870 |
|        1230 |     702 | clients Modification |        4445780 |
|        1231 |     703 | Lobby Light          |        6745670 |
+-------------+---------+----------------------+----------------+
3 rows in set (0.001 sec)
```

10)   Give the approximate profits of all the 1bhk flats.

Query 1) = alter table construction_status add apr_profits int;

Query 2) = update construction_status set apr_profits = 9000000 - total_expanses where customer_id in (select customer_id from flamingo where total_payment = 9000000);

```
MariaDB [vaibhav]> select * from construction_status;
+-------------+---------+------+----------------------+----------------+-------------+-------------+
| customer_id | Flat_no | Type | Remaining_work       | Total_expanses | work_status | apr_profits |
+-------------+---------+------+----------------------+----------------+-------------+-------------+
|        1211 |     101 | 1BHK | Doors & Windows      |        4356765 | Incomplete  |     4643235 |
|        1212 |     102 | 1BHK | Kitchen Lights       |        4200787 | Incomplete  |     4799213 |
|        1213 |     103 | 2BHK | Clients Modification |        6734980 | Incomplete  |        NULL |
|        1214 |     201 | 1BHK | Complete             |        4460500 | complete    |     4539500 |
|        1215 |     202 | 1BHK | Entry Light          |        4587239 | Incomplete  |     4412761 |
|        1216 |     203 | 2BHK | Lobby Light          |        6734650 | Incomplete  |        NULL |
|        1217 |     301 | 1BHK | Kitchen Sink         |        4287120 | Incomplete  |     4712880 |
|        1218 |     302 | 1BHK | Complete             |        4440890 | complete    |     4559110 |
|        1219 |     303 | 2BHk | Falls ceiling Repair |        6843981 | Incomplete  |        NULL |
|        1220 |     401 | 1BHK | Door & Windows       |        4487120 | Incomplete  |     4512880 |
|        1221 |     402 | 1BHk | clients Modification |        4378560 | Incomplete  |     4621440 |
|        1222 |     403 | 2BHK | Complete             |        6880000 | complete    |        NULL |
|        1223 |     501 | 1BHK | Complete             |        4478230 | complete    |     4521770 |
|        1224 |     502 | 1BHK | W C Repairing        |        4434875 | Incomplete  |     4565125 |
|        1225 |     503 | 2BHK | Entry Door           |        6734980 | Incomplete  |        NULL |
|        1226 |     601 | 1BHK | Entry Door           |        4412870 | Incomplete  |     4587130 |
|        1227 |     602 | 1BHK | Hall Window          |        4423870 | Incomplete  |     4576130 |
|        1228 |     603 | 2BHK | Complete             |        6789560 | complete    |        NULL |
|        1229 |     701 | 1BHK | clients Modification |        4498320 | Incomplete  |     4501680 |
|        1230 |     702 | 1BHK | clients Modification |        4445780 | Incomplete  |     4554220 |
|        1231 |     703 | 2BHK | Lobby Light          |        6745670 | Incomplete  |        NULL |
+-------------+---------+------+----------------------+----------------+-------------+-------------+
21 rows in set (0.000 sec)
```

JOINS :-

1) **Show the information of flat owner's payment status & its parking and handing over details.**

Query :- select flamingo.customer_name,flamingo.flat_no, flamingo.payment_status, specification_flamingo.parking, specification_flamingo.handover from flamingo **inner join** specification_flamingo on flamingo.customer_id=specification_flamingo.customer_id;

```
+----------------------------+---------+----------------+------------+----------+
| customer_name              | flat_no | payment_status | parking    | handover |
+----------------------------+---------+----------------+------------+----------+
| Bharat Khatwani            |     101 | BALANCE        | Allotted   | YES      |
| Lalit Darvekar             |     102 | BALANCE        | Allotted   | Yes      |
| S Tidke                    |     103 | BALANCE        | Allotted   | Yes      |
| Tushar Barge               |     201 | BALANCE        | Allotted   | Yes      |
| Priyanka Bodake            |     202 | BALANCE        | Not Allott | No       |
| Dr Prasanna Joshi          |     203 | BALANCE        | Allotted   | No       |
| Sachin Bhirud              |     301 | BALANCE        | Allotted   | No       |
| Gajanan Gawhale            |     302 | COMPLETE       | Allotted   | Yes      |
| Sanjaya Kumar Panigrahi    |     303 | BALANCE        | Allotted   | Yes      |
| Shailendra Jadhav          |     401 | BALANCE        | Not Allott | No       |
| Bansal                     |     402 | BALANCE        | Not Allott | No       |
| Saurabh Purandare          |     403 | COMPLETE       | Allotted   | Yes      |
| Amruta                     |     501 | BALANCE        | Allotted   | Yes      |
| Kunal Patil                |     502 | BALANCE        | Allotted   | No       |
| Anmol Meghadambar          |     503 | BALANCE        | Allotted   | Yes      |
| Yogesh Malani              |     601 | COMPLETE       | Allotted   | Yes      |
| Piyush Aggarwal            |     602 | BALANCE        |            |          |
| Piyush Aggarwal            |     603 | BALANCE        |            |          |
| Shashank Pethe             |     701 | BALANCE        | Allotted   | Yes      |
| Samadhan Savant            |     702 | COMPLETE       | Allotted   | Yes      |
| AmitA Barve                |     703 | COMPLETE       | Allotted   | Yes      |
+----------------------------+---------+----------------+------------+----------+
21 rows in set (0.001 sec)
```

2) Show the details which sales person sale which flats.

Query = select sales_persondet.name, flamingo.customer_name, flamingo.flat_no, flamingo.type, flamingo.payment_done from flamingo **left join** sales_persondet on flamingo.code=sales_persondet.code;

```
+---------------------+-------------------------+---------+------+--------------+
| name                | customer_name           | flat_no | type | payment_done |
+---------------------+-------------------------+---------+------+--------------+
| Akash Aryan         | Bharat Khatwani         |     101 | 1BHK |      4850000 |
| Akash Aryan         | Lalit Darvekar          |     102 | 1BHK |      7000000 |
| Vishal Nanaware     | S Tidke                 |     103 | 2BHK |      8000000 |
| Anjali Sinha        | Tushar Barge            |     201 | 1BHK |      8000000 |
| Pragati Shinde      | Priyanka Bodake         |     202 | 1BHK |      1726000 |
| Prathamesh khobrekar | Dr Prasanna Joshi      |     203 | 2BHK |      4000000 |
| Anjali Sinha        | Sachin Bhirud           |     301 | 1BHK |      6500000 |
| Vishal Nanaware     | Gajanan Gawhale         |     302 | 1BHK |      9000000 |
| Pragati Shinde      | Sanjaya Kumar Panigrahi |     303 | 2BHK |     10000000 |
| Prathamesh khobrekar | Shailendra Jadhav      |     401 | 1BHK |      2022000 |
| Akash Aryan         | Bansal                  |     402 | 1BHK |      3500000 |
| Pragati Shinde      | Saurabh Purandare       |     403 | 2BHK |     11526000 |
| Vishal Nanaware     | Amruta                  |     501 | 1BHK |      7500000 |
| Prathamesh khobrekar | Kunal Patil            |     502 | 1BHK |      4050000 |
| Anjali Sinha        | Anmol Meghadambar       |     503 | 2BHK |     10010000 |
| Pragati Shinde      | Yogesh Malani           |     601 | 1BHK |      9000000 |
| Akash Aryan         | Piyush Aggarwal         |     602 | 1BHK |      3500000 |
| Akash Aryan         | Piyush Aggarwal         |     603 | 2BHK |      8000000 |
| Prathamesh khobrekar | Shashank Pethe         |     701 | 1BHK |      8010000 |
| Vishal Nanaware     | Samadhan Savant         |     702 | 1BHK |      9000000 |
| Anjali Sinha        | AmitA Barve             |     703 | 2BHK |     11526000 |
+---------------------+-------------------------+---------+------+--------------+
21 rows in set (0.001 sec)
```

3) Show the modification details of flat owners.

Query = select flamingo.Customer_id, flamingo.customer_name, flamingo.code, specification_flamingo.parking, specification_flamingo.handover from flamingo **right join** specification_flamingo on flamingo.Customer_id=specification_flamingo.customer_id;

```
+-------------+-------------------------+------+-------------+----------+
| Customer_id | customer_name           | code | parking     | handover |
+-------------+-------------------------+------+-------------+----------+
|        1211 | Bharat Khatwani         |   11 | Allotted    | YES      |
|        1212 | Lalit Darvekar          |   11 | Allotted    | Yes      |
|        1213 | S Tidke                 |   12 | Allotted    | Yes      |
|        1214 | Tushar Barge            |   15 | Allotted    | Yes      |
|        1215 | Priyanka Bodake         |   14 | Not Allott  | No       |
|        1216 | Dr Prasanna Joshi       |   13 | Allotted    | No       |
|        1217 | Sachin Bhirud           |   15 | Allotted    | No       |
|        1218 | Gajanan Gawhale         |   12 | Allotted    | Yes      |
|        1219 | Sanjaya Kumar Panigrahi |   14 | Allotted    | Yes      |
|        1220 | Shailendra Jadhav       |   13 | Not Allott  | No       |
|        1221 | Bansal                  |   11 | Not Allott  | No       |
|        1222 | Saurabh Purandare       |   14 | Allotted    | Yes      |
|        1223 | Amruta                  |   12 | Allotted    | Yes      |
|        1224 | Kunal Patil             |   13 | Allotted    | No       |
|        1225 | Anmol Meghadambar       |   15 | Allotted    | Yes      |
|        1226 | Yogesh Malani           |   14 | Allotted    | Yes      |
|        1227 | Piyush Aggarwal         |   11 |             |          |
|        1228 | Piyush Aggarwal         |   11 |             |          |
|        1229 | Shashank Pethe          |   13 | Allotted    | Yes      |
|        1230 | Samadhan Savant         |   12 | Allotted    | Yes      |
|        1231 | AmitA Barve             |   15 | Allotted    | Yes      |
+-------------+-------------------------+------+-------------+----------+
21 rows in set (0.001 sec)
```

4) Give the details from specifications and its profits.

Query = select specification_flamingo.Customer_name, specification_flamingo.parking, specification_flamingo.handover, construction_status.apr_profits from construction_status left join specification_flamingo on construction_status.customer_id=specification_flamingo.customer_id **union** select specification_flamingo.Customer_name, specification_flamingo.parking, specification_flamingo.handover, construction_status.apr_profits from construction_status Right join specification_flamingo on construction_status.customer_id=specification_flamingo.customer_id;

```
+----------------------------+-------------+----------+-------------+
| Customer_name              | parking     | handover | apr_profits |
+----------------------------+-------------+----------+-------------+
| Bharat Khatwani            | Allotted    | YES      |     4643235 |
| Lalit Darvakar             | Allotted    | Yes      |     4799213 |
| S Tidke                    | Allotted    | Yes      |        NULL |
| Tushar Barge               | Allotted    | Yes      |     4539500 |
| Priyanka Bodake            | Not Allott  | No       |     4412761 |
|  Dr Prasanna Joshi         | Allotted    | No       |        NULL |
|  Sachin Bhirud             | Allotted    | No       |     4712880 |
| Gajanan Gawhale            | Allotted    | Yes      |     4559110 |
| Sanjaya Kumar Panigrahi    | Allotted    | Yes      |        NULL |
| Shailendra Jadhav          | Not Allott  | No       |     4512880 |
| Bansal                     | Not Allott  | No       |     4621440 |
| Saurabh Purandare          | Allotted    | Yes      |        NULL |
| Amruta                     | Allotted    | Yes      |     4521770 |
| Kunal Patil                | Allotted    | No       |     4565125 |
| Anmol Meghadambar          | Allotted    | Yes      |        NULL |
| Yogesh Malani              | Allotted    | Yes      |     4587130 |
| Piyush Aggarwal            |             |          |     4576130 |
| Piyush Aggarwal            |             |          |        NULL |
| Shashank Pethe             | Allotted    | Yes      |     4501680 |
|  Samadhan Savant           | Allotted    | Yes      |     4554220 |
| Amita Barve                | Allotted    | Yes      |        NULL |
+----------------------------+-------------+----------+-------------+
21 rows in set (0.003 sec)
```

5) Show the hierarchy in sales team.

Query = select e1.name as manager, e2.name as employees from sales_persondet e1 **join** sales_persondet e2 on e1.code = e2.manager_id;

```
+------------------+----------------------+
| manager          | employees            |
+------------------+----------------------+
| Ravindra jaiswal | Akash Aryan          |
| Rahul Sakhuja    | Vishal Nanaware      |
| Ravindra jaiswal | Prathamesh khobrekar |
| Ravindra jaiswal | Pragati Shinde       |
| Rahul Sakhuja    | Anjali Sinha         |
| Smita Chalak     | Ravindra jaiswal     |
| Smita Chalak     | Rahul Sakhuja        |
+------------------+----------------------+
7 rows in set (0.001 sec)
```

Views :-

Give all the data about payments and save it.

Query = create view payment_details1 as select flamingo.customer_id, flamingo.customer_name, flamingo.total_payment, flamingo.payment_done, construction_status.total_expanses,construction_status.apr_profits from flamingo, construction_status where flamingo.customer_id = construction_status.customer_id;

```
MariaDB [vaibhav]> select * from payment_details1;
+-------------+------------------------+---------------+--------------+----------------+-------------+
| customer_id | customer_name          | total_payment | payment_done | total_expanses | apr_profits |
+-------------+------------------------+---------------+--------------+----------------+-------------+
|        1211 | Bharat Khatwani        |       9000000 |      4850000 |        4356765 |     4643235 |
|        1212 | Lalit Darvekar         |       9000000 |      7000000 |        4200787 |     4799213 |
|        1213 | S Tidke                |      11526000 |      8000000 |        6734980 |     4791020 |
|        1214 | Tushar Barge           |       9000000 |      8000000 |        4460500 |     4539500 |
|        1215 | Priyanka Bodake        |       9000000 |      1726000 |        4587239 |     4412761 |
|        1216 | Dr Prasanna Joshi      |      11526000 |      4000000 |        6734650 |     4791350 |
|        1217 | Sachin Bhirud          |       9000000 |      6500000 |        4287120 |     4712880 |
|        1218 | Gajanan Gawhale        |       9000000 |      9000000 |        4440890 |     4559110 |
|        1219 | Sanjaya Kumar Panigrahi|      11526000 |     10000000 |        6843981 |     4682019 |
|        1220 | Shailendra Jadhav      |       9000000 |      2022000 |        4487120 |     4512880 |
|        1221 | Bansal                 |       9000000 |      3500000 |        4378560 |     4621440 |
|        1222 | Saurabh Purandare      |      11526000 |     11526000 |        6880000 |     4646000 |
|        1223 | Amruta                 |       9000000 |      7500000 |        4478230 |     4521770 |
|        1224 | Kunal Patil            |       9000000 |      4050000 |        4434875 |     4565125 |
|        1225 | Anmol Meghadambar      |      11526000 |     10010000 |        6734980 |     4791020 |
|        1226 | Yogesh Malani          |       9000000 |      9000000 |        4412870 |     4587130 |
|        1227 | Piyush Aggarwal        |       9000000 |      3500000 |        4423870 |     4576130 |
|        1228 | Piyush Aggarwal        |      11526000 |      8000000 |        6789560 |     4736440 |
|        1229 | Shashank Pethe         |       9000000 |      8010000 |        4498320 |     4501680 |
|        1230 | Samadhan Savant        |       9000000 |      9000000 |        4445780 |     4554220 |
|        1231 | AmitA Barve            |      11526000 |     11526000 |        6745670 |     4780330 |
+-------------+------------------------+---------------+--------------+----------------+-------------+
21 rows in set (0.001 sec)
```