SQL PROJECT

CONSTRUCTION COMPANY MANAGEMENT SYSTEM

ABSTRACT:

Construction is the process of constructing a building or infrastructure. Construction differs from manufacturing. Manufacturing typically involves mass production of similar items without a designated purchaser, while construction typically takes place on location for a known client. Construction is directly tied to the fields of civil engineering and architecture. A construction company is responsible for building structures in the commercial and private sectors. In simple words, we can say that a construction company is a type of business, enterprise, or similar organization created and operating to construct a wide variety of buildings, developments, housing, path, pavement, roads, motorways, and other types of construction projects. A construction company involves lot of parameters like details of projects, employees, machinaries and raw materials.

Introduction:

Construction management (CM) is a professional service that uses specialized, project management techniques and software to oversee the planning, design, and construction of a project, from its beginning to its end. The purpose of Construction management is to control a project's time / delivery, cost and quality—sometimes referred to as a project management triangle or "triple constraints."CM is compatible with all project delivery systems, including design-bid-build, design-build, CM At-Risk and Public Private Partnerships. Professional construction managers may be reserved for lengthy, large-scale, high budget undertakings (commercial real estate, transportation infrastructure, industrial facilities, and military infrastructure), called capital projects.

OBJECTIVE:

1. The company will be able to easily track the details of projects, employees, machinaries and raw materials.

2. It will give a proper relation regarding which employees are working in which projects.

3. It will give details regarding how many raw materials are being allocated to each project.

1. Create Database: -

MariaDB [(none)]> create database projects;

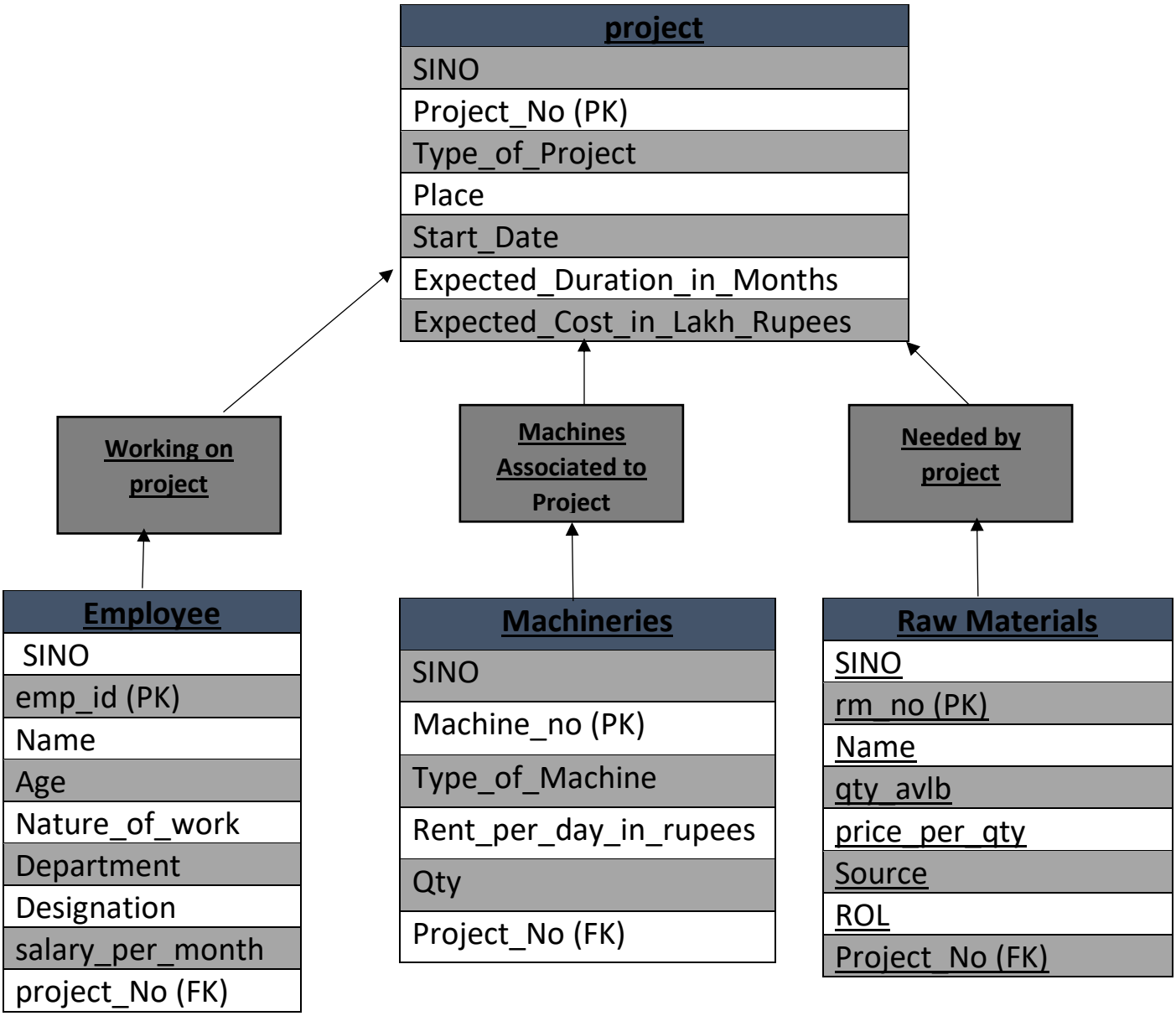
Query OK, 1 row affected (0.078 sec)

2. use the database: -

MariaDB [(none)]> use projects;

Database changed

ER DIAGRAM


project
SINO
Project_No (PK)
Type_of_Project
Place
Start_Date
Expected_Duration_in_Months
Expected_Cost_in_Lakh_Rupees
Working on project
Machines Associated to Project
Needed by project
Employee
SINO
emp_id (PK)
Name
Age
Nature_of_work
Department
Designation
salary_per_month
project_No (FK)
Machineries
SINO
Machine_no (PK)
Type_of_Machine
Rent_per_day_in_rupees
Qty
Project_No (FK)
Raw Materials
SINO
rm_no (PK)
Name
qty_avlb
price_per_qty
Source
ROL
Project_No (FK)

STRUCTURE OF TABLE

1. project:

```
MariaDB [projects]> desc project;
+-----------------------------+------------+------+-----+---------+-------+
| Field                       | Type       | Null | Key | Default | Extra |
+-----------------------------+------------+------+-----+---------+-------+
| SINO                        | int(11)    | YES  |     | NULL    |       |
| Project_No                  | int(11)    | NO   | PRI | NULL    |       |
| Type_of_Project             | varchar(40)| YES  |     | NULL    |       |
| Place                       | varchar(40)| YES  |     | NULL    |       |
| Start_Date                  | varchar(20)| YES  |     | NULL    |       |
| Expected_Duration_in_Months | int(11)    | YES  |     | NULL    |       |
| Expected_Cost_in_Lakh_Rupees| int(11)    | YES  |     | NULL    |       |
+-----------------------------+------------+------+-----+---------+-------+
7 rows in set (0.104 sec)
```

2. employee:

```
MariaDB [projects]> desc employee;
+------------------+-------------+------+-----+---------+-------+
| Field            | Type        | Null | Key | Default | Extra |
+------------------+-------------+------+-----+---------+-------+
| SINO             | int(11)     | YES  |     | NULL    |       |
| emp_id           | int(11)     | NO   | PRI | NULL    |       |
| Name             | varchar(40) | YES  |     | NULL    |       |
| Age              | int(11)     | YES  |     | NULL    |       |
| Nature_of_work   | varchar(20) | YES  |     | NULL    |       |
| Department       | varchar(20) | YES  |     | NULL    |       |
| designation      | varchar(20) | YES  |     | NULL    |       |
| salary_per_month | int(11)     | YES  |     | NULL    |       |
| project_No       | int(11)     | YES  | MUL | NULL    |       |
+------------------+-------------+------+-----+---------+-------+
9 rows in set (0.054 sec)
```

3. machineries:

```
MariaDB [projects]>  desc machineries;
+------------------------+-------------+------+-----+---------+-------+
| Field                  | Type        | Null | Key | Default | Extra |
+------------------------+-------------+------+-----+---------+-------+
| SINO                   | int(11)     | YES  |     | NULL    |       |
| Machine_no             | int(11)     | NO   | PRI | NULL    |       |
| Type_of_Machine        | varchar(30) | YES  |     | NULL    |       |
| Rent_per_day_in_rupees | int(11)     | YES  |     | NULL    |       |
| qty                    | int(11)     | YES  |     | NULL    |       |
| Project_No             | int(11)     | YES  | MUL | NULL    |       |
+------------------------+-------------+------+-----+---------+-------+
6 rows in set (0.055 sec)
```

4. Raw materials:

```
MariaDB [projects]> desc  raw_materials;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| SINO          | int(11)     | YES  |     | NULL    |       |
| rm_no         | int(11)     | NO   | PRI | NULL    |       |
| Name          | varchar(30) | YES  |     | NULL    |       |
| qty_avlb      | int(11)     | YES  |     | NULL    |       |
| price_per_qty | int(11)     | YES  |     | NULL    |       |
| Source        | varchar(20) | YES  |     | NULL    |       |
| ROL           | int(11)     | YES  |     | NULL    |       |
| Project_No    | int(11)     | YES  | MUL | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
8 rows in set (0.066 sec)
```

CONTENTS OF TABLE

1.project

```
MariaDB [projects]> select * from project;
+------+-----------+--------------------+------------+------------+---------------------------+----------------------------+
| SINO | Project_No | Type_of_Project    | Place      | Start_Date | Expected_Duration_in_Months | Expected_Cost_in_Lakh_Rupees |
+------+-----------+--------------------+------------+------------+---------------------------+----------------------------+
|    1 |       101 | commercial_building | thane      | 1987       |                        48 |                       5000 |
|    2 |       102 | station            | mumbai     | 1978       |                        30 |                       6600 |
|    3 |       103 | school             | pune       | 1993       |                        35 |                       7000 |
|    4 |       104 | hostel             | indore     | 1996       |                        36 |                       1000 |
|    5 |       105 | hotel              | Navi_mumbai | 1983       |                        40 |                       1500 |
|    6 |       106 | bus_depot          | mulund     | 2004       |                        24 |                       2500 |
|    7 |       107 | college            | jaipur     | 1995       |                        30 |                       5500 |
|    8 |       108 | complex            | surat      | 1990       |                        25 |                       1800 |
|    9 |       109 | hospital           | solapur    | 1996       |                        10 |                       8000 |
|   10 |       110 | embassy            | bangalore  | 1985       |                        35 |                       2800 |
+------+-----------+--------------------+------------+------------+---------------------------+----------------------------+
10 rows in set (0.020 sec)
```

2.Employee

```
MariaDB [projects]> select * from employee;
+------+--------+---------+------+----------------+-------------+-------------+-----------------+------------+
| SINO | emp_id | Name    | Age  | Nature_of_work | Department  | designation | salary_per_month | project_No |
+------+--------+---------+------+----------------+-------------+-------------+-----------------+------------+
|    1 |    101 | Raju    |   35 | on_site        | labour      | cement_work |            9500 |        101 |
|    2 |    102 | chetan  |   29 | on_site        | labour      | water_work  |           11200 |        109 |
|    3 |    103 | mayur   |   25 | off_site       | engineering | manager     |           75000 |        108 |
|    4 |    104 | harshit |   30 | off_site       | engineering | sr_manager  |           85000 |        102 |
|    5 |    105 | rajesh  |   26 | on_site        | tech        | supervisor  |           50000 |        106 |
|    6 |    106 | manish  |   29 | on_site        | tech        | surveyor    |           20000 |        110 |
|    7 |    107 | pakya   |   34 | on_site        | labour      | paint_work  |           10000 |        107 |
|    8 |    108 | raj     |   32 | on_site        | labour      | brick_work  |            8500 |        105 |
|    9 |    109 | bharat  |   27 | on_site        | tech        | engineer    |           25000 |        103 |
|   10 |    110 | karan   |   36 | off_site       | finance     | jr_account  |           22000 |        104 |
+------+--------+---------+------+----------------+-------------+-------------+-----------------+------------+
10 rows in set (0.004 sec)
```

3.Machineries

```
MariaDB [projects]> select * from machineries;
+------+------------+----------------------+-------------------------+------+------------+
| SINO | Machine_no | Type_of_Machine      | Rent_per_day_in_rupees | qty  | Project_No |
+------+------------+----------------------+-------------------------+------+------------+
|    1 |        101 | concrete_mixer_1_ton |                    5000 |    8 |        101 |
|    2 |        102 | garbage_dumper_1_ton |                    7000 |   20 |        103 |
|    3 |        103 | grinder_200_watt     |                   10000 |   50 |        102 |
|    4 |        104 | leveller_20_cm       |                    1000 |   10 |        105 |
|    5 |        105 | bar_cutting_machine  |                    2000 |   35 |        104 |
|    6 |        106 | tower_crane_40m      |                   30000 |   10 |        106 |
|    7 |        107 | welding_machine      |                    2500 |   25 |        108 |
|    8 |        108 | sand_mesher          |                     500 |   50 |        107 |
|    9 |        109 | shovel               |                     250 |  150 |        109 |
|   10 |        110 | excavator_10_10_kg   |                   15000 |   45 |        110 |
+------+------------+----------------------+-------------------------+------+------------+
10 rows in set (0.001 sec)
```

4.raw materials

```
MariaDB [projects]> select * from raw_materials;
+------+-------+-----------------------------+----------+--------------+------------------+------+------------+
| SINO | rm_no | Name                        | qty_avlb | price_per_qty | Source           | ROL  | Project_No |
+------+-------+-----------------------------+----------+--------------+------------------+------+------------+
|    1 |   101 | cement_20_kg_pack           |     1000 |         3000 | ambuja_cement    |  200 |        101 |
|    2 |   102 | white_red_paint_30_lit_pack |      200 |        10000 | asian_paints     |   50 |        110 |
|    3 |   103 | fine_sand_50kg              |      500 |          900 | goa_sand_company |  100 |        109 |
|    4 |   104 | aggregate_light_50kg_pack   |      600 |         4000 | kolar_agg        |  200 |        108 |
|    5 |   105 | bricks_heavy_30nos_pack     |      400 |         5000 | tata bricks      |  200 |        102 |
|    6 |   106 | beige_tile_2x2_20_pack      |      150 |         8500 | kajaria          |   30 |        103 |
|    7 |   107 | structure_steel_10kg_pack   |      800 |        20000 | willy_steels     |  130 |        104 |
|    8 |   108 | pop_48kg_pack               |      200 |        25000 | laxmi_pop        |   50 |        105 |
|    9 |   109 | grill_stylel_10_pack        |      900 |        19000 | sj_works         |  100 |        106 |
|   10 |   110 | limestone_white_50kg_pack   |      100 |        10000 | ilkal_line_works |  200 |        107 |
+------+-------+-----------------------------+----------+--------------+------------------+------+------------+
10 rows in set (0.013 sec)
```

VIEWS

1.Create a table for employee and raw materials associated with hospital project.

Query

MariaDB [projects]> create view hospital_rm_emp as select employee.emp_id,employee.name, employee.salary_per_month, raw_materials.rm_no, raw_materials.Rol from employee,raw_materials where employee.project_no in (105,107) and raw_materials.project_no in (105,107);

Query OK, 0 rows affected (0.025 sec)

```
+--------+-------+-------------------+-------+------+
| emp_id | name  | salary_per_month  | rm_no | Rol  |
+--------+-------+-------------------+-------+------+
|    108 | raj   |              8500 |   108 |   50 |
|    107 | pakya |             10000 |   108 |   50 |
|    108 | raj   |              8500 |   110 |  200 |
|    107 | pakya |             10000 |   110 |  200 |
+--------+-------+-------------------+-------+------+
4 rows in set (0.067 sec)
```

2.Create a table for the raw materials and machineries associated with residential building.

Query

MariaDB [projects]> create view rb_rm_mc as select raw_materials.rm_no,raw_materials.name,raw_materials.Rol, machineries.machine_no,machineries.type_of_machine,machineries.qty from raw_materials, machineries where raw_materials.project_no in(103,109) and machineries.project_no in(103,109);

Query OK, 0 rows affected (0.005 sec)

```
+-------+-----------------------+------+------------+---------------------+------+
| rm_no | name                  | Rol  | machine_no | type_of_machine     | qty  |
+-------+-----------------------+------+------------+---------------------+------+
|   106 | beige_tile_2x2_20_pack |   30 |        102 | garbage_dumper_1_ton |   20 |
|   103 | fine_sand_50kg         |  100 |        102 | garbage_dumper_1_ton |   20 |
|   106 | beige_tile_2x2_20_pack |   30 |        109 | shovel              |  150 |
|   103 | fine_sand_50kg         |  100 |        109 | shovel              |  150 |
+-------+-----------------------+------+------------+---------------------+------+
4 rows in set (0.646 sec)
```

3.Show the employee and machineries associated with commercial buildings.

Query

MariaDB [projects]> create view cb_mc_emp as select employee.name,employee.emp_id,employee.Department,employee.project_no,machineries.machine_no,machineries.type_of_machine,machineries.qty from employee,machineries where employee.project_no in(101,110) and machineries.project_no in(101,110);

Query OK, 0 rows affected (0.007 sec)

```
+--------+--------+------------+------------+------------+---------------------+------+
| name   | emp_id | Department | project_no | machine_no | type_of_machine     | qty  |
+--------+--------+------------+------------+------------+---------------------+------+
| Raju   |    101 | labour     |        101 |        101 | concrete_mixer_1_ton |    8 |
| manish |    106 | tech       |        110 |        101 | concrete_mixer_1_ton |    8 |
| Raju   |    101 | labour     |        101 |        110 | excavator_10_10_kg   |   45 |
| manish |    106 | tech       |        110 |        110 | excavator_10_10_kg   |   45 |
+--------+--------+------------+------------+------------+---------------------+------+
4 rows in set (0.047 sec)
```

4. show the details eng

Query

create view eng as select machineries.machine_no,machineries.type_of_machine,machineries.qty from machineries;

Query OK, 0 rows affected (0.008 sec)

```
MariaDB [projects]> select * from eng;
+------------+----------------------+------+
| machine_no | type_of_machine      | qty  |
+------------+----------------------+------+
|        101 | concrete_mixer_1_ton |    8 |
|        102 | garbage_dumper_1_ton |   20 |
|        103 | grinder_200_watt     |   50 |
|        104 | leveller_20_cm       |   10 |
|        105 | bar_cutting_machine  |   35 |
|        106 | tower_crane_40m      |   10 |
|        107 | welding_machine      |   25 |
|        108 | sand_mesher          |   50 |
|        109 | shovel               |  150 |
|        110 | excavator_10_10_kg   |   45 |
+------------+----------------------+------+
10 rows in set (0.001 sec)
```

Joins

1.Left join

Query

MariaDB [projects]> select * from employee left join hospital_rm_emp on employee.emp_id=hospital_rm_emp.emp_id;

```
MariaDB [projects]>  select * from employee left join hospital_rm_emp on employee.emp_id=hospital_rm_emp.emp_id;
+------+--------+---------+------+---------------+------------+-------------+-----------------+------------+--------+------+-----------------+-------+------+
| SINO | emp_id | Name    | Age  | Nature_of_work | Department | designation | salary_per_month | project_No | emp_id | name | salary_per_month | rm_no | Rol  |
+------+--------+---------+------+---------------+------------+-------------+-----------------+------------+--------+------+-----------------+-------+------+
|    1 |    101 | Raju    |   35 | on_site        | labour     | cement_work |            9500 |        101 |   NULL | NULL |            NULL |  NULL | NULL |
|    2 |    102 | chetan  |   29 | on_site        | labour     | water_work  |           11200 |        109 |   NULL | NULL |            NULL |  NULL | NULL |
|    3 |    103 | mayur   |   25 | off_site       | engineering | manager     |           75000 |        108 |   NULL | NULL |            NULL |  NULL | NULL |
|    4 |    104 | harshit |   30 | off_site       | engineering | sr_manager  |           85000 |        102 |   NULL | NULL |            NULL |  NULL | NULL |
|    5 |    105 | rajesh  |   26 | on_site        | tech       | supervisor  |           50000 |        106 |   NULL | NULL |            NULL |  NULL | NULL |
|    6 |    106 | manish  |   29 | on_site        | tech       | surveyor    |           20000 |        110 |   NULL | NULL |            NULL |  NULL | NULL |
|    7 |    107 | pakya   |   34 | on_site        | labour     | paint_work  |           10000 |        107 |    107 | pakya |           10000 |   108 |   50 |
|    7 |    107 | pakya   |   34 | on_site        | labour     | paint_work  |           10000 |        107 |    107 | pakya |           10000 |   110 |  200 |
|    8 |    108 | raj     |   32 | on_site        | labour     | brick_work  |            8500 |        105 |    108 | raj  |            8500 |   108 |   50 |
|    8 |    108 | raj     |   32 | on_site        | labour     | brick_work  |            8500 |        105 |    108 | raj  |            8500 |   110 |  200 |
|    9 |    109 | bharat  |   27 | on_site        | tech       | engineer    |           25000 |        103 |   NULL | NULL |            NULL |  NULL | NULL |
|   10 |    110 | karan   |   36 | off_site       | finance    | jr_account  |           22000 |        104 |   NULL | NULL |            NULL |  NULL | NULL |
+------+--------+---------+------+---------------+------------+-------------+-----------------+------------+--------+------+-----------------+-------+------+
12 rows in set (0.025 sec)
```

2.Rightr join

Query

MariaDB [projects]> select * from hospital_rm_emp right join employee on hospital_rm_emp.emp_id=employee.emp_id;

```
MariaDB [projects]> select * from hospital_rm_emp right join employee on hospital_rm_emp.emp_id=employee.emp_id;
+--------+------+-----------------+-------+------+------+--------+---------+------+---------------+------------+-------------+-----------------+------------+
| emp_id | name | salary_per_month | rm_no | Rol  | SINO | emp_id | Name    | Age  | Nature_of_work | Department | designation | salary_per_month | project_No |
+--------+------+-----------------+-------+------+------+--------+---------+------+---------------+------------+-------------+-----------------+------------+
|   NULL | NULL |            NULL |  NULL | NULL |    1 |    101 | Raju    |   35 | on_site        | labour     | cement_work |            9500 |        101 |
|   NULL | NULL |            NULL |  NULL | NULL |    2 |    102 | chetan  |   29 | on_site        | labour     | water_work  |           11200 |        109 |
|   NULL | NULL |            NULL |  NULL | NULL |    3 |    103 | mayur   |   25 | off_site       | engineering | manager     |           75000 |        108 |
|   NULL | NULL |            NULL |  NULL | NULL |    4 |    104 | harshit |   30 | off_site       | engineering | sr_manager  |           85000 |        102 |
|   NULL | NULL |            NULL |  NULL | NULL |    5 |    105 | rajesh  |   26 | on_site        | tech       | supervisor  |           50000 |        106 |
|   NULL | NULL |            NULL |  NULL | NULL |    6 |    106 | manish  |   29 | on_site        | tech       | surveyor    |           20000 |        110 |
|    107 | pakya |           10000 |   108 |   50 |    7 |    107 | pakya   |   34 | on_site        | labour     | paint_work  |           10000 |        107 |
|    107 | pakya |           10000 |   110 |  200 |    7 |    107 | pakya   |   34 | on_site        | labour     | paint_work  |           10000 |        107 |
|    108 | raj   |            8500 |   108 |   50 |    8 |    108 | raj     |   32 | on_site        | labour     | brick_work  |            8500 |        105 |
|    108 | raj   |            8500 |   110 |  200 |    8 |    108 | raj     |   32 | on_site        | labour     | brick_work  |            8500 |        105 |
|   NULL | NULL |            NULL |  NULL | NULL |    9 |    109 | bharat  |   27 | on_site        | tech       | engineer    |           25000 |        103 |
|   NULL | NULL |            NULL |  NULL | NULL |   10 |    110 | karan   |   36 | off_site       | finance    | jr_account  |           22000 |        104 |
+--------+------+-----------------+-------+------+------+--------+---------+------+---------------+------------+-------------+-----------------+------------+
12 rows in set (0.005 sec)
```

3.Cross join

Query

MariaDB [projects]> select * from employee cross join hospital_rm_emp on employee.emp_id=hospital_rm_emp.emp_id;

```
MariaDB [projects]> select * from employee cross join hospital_rm_emp on employee.emp_id=hospital_rm_emp.emp_id;
+------+--------+-------+------+---------------+------------+-------------+-----------------+------------+--------+-------+-----------------+-------+------+
| SINO | emp_id | Name  | Age  | Nature_of_work | Department | designation | salary_per_month | project_No | emp_id | name  | salary_per_month | rm_no | Rol  |
+------+--------+-------+------+---------------+------------+-------------+-----------------+------------+--------+-------+-----------------+-------+------+
|    8 |    108 | raj   |   32 | on_site        | labour     | brick_work  |            8500 |        105 |    108 | raj   |            8500 |   108 |   50 |
|    7 |    107 | pakya |   34 | on_site        | labour     | paint_work  |           10000 |        107 |    107 | pakya |           10000 |   108 |   50 |
|    8 |    108 | raj   |   32 | on_site        | labour     | brick_work  |            8500 |        105 |    108 | raj   |            8500 |   110 |  200 |
|    7 |    107 | pakya |   34 | on_site        | labour     | paint_work  |           10000 |        107 |    107 | pakya |           10000 |   110 |  200 |
+------+--------+-------+------+---------------+------------+-------------+-----------------+------------+--------+-------+-----------------+-------+------+
4 rows in set (0.017 sec)
```

SUBQUERIES

1. Show the all the details of all the employee associated with hostel project having salary> 2000

Query

MariaDB [projects]> select * from employee where project_no in (select project_no from project where type_of_project="hostel") having salary_per_month>2000;

```
MariaDB [projects]> select * from employee where project_no in (select project_no from project where type_of_project="hostel") having salary_per_month>2000;
+------+--------+-------+------+---------------+------------+-------------+------------------+------------+
| SINO | emp_id | Name  | Age  | Nature_of_work | Department | designation | salary_per_month | project_No |
+------+--------+-------+------+---------------+------------+-------------+------------------+------------+
|   10 |    110 | karan |   36 | off_site       | finance    | jr_account  |            22000 |        104 |
+------+--------+-------+------+---------------+------------+-------------+------------------+------------+
1 row in set (0.009 sec)
```

2. Show all the raw materials for college project where qty available is more than 50.

Query

MariaDB [projects]> select * from raw_materials where project_no in (select project_no from project where type_of_project="college") having qty_avlb>50;

```
MariaDB [projects]> select * from raw_materials where project_no in (select project_no from project where type_of_project="college") having qty_avlb>50;
+------+-------+--------------------------+----------+---------------+------------------+------+------------+
| SINO | rm_no | Name                     | qty_avlb | price_per_qty | Source           | ROL  | Project_No |
+------+-------+--------------------------+----------+---------------+------------------+------+------------+
|   10 |   110 | limestone_white_50kg_pack |      100 |         10000 | ilkal_line_works |  200 |        107 |
+------+-------+--------------------------+----------+---------------+------------------+------+------------+
1 row in set (0.002 sec)
```

3.Show all the details of machineries and raw materials associated with project having estimation > 5000 lakh crores.

Query

MariaDB [projects]> select * from machineries where project_no in (select project_no from project where Expected_Cost_in_Lakh_Rupees>5000);

```
MariaDB [projects]> select * from machineries where project_no in (select project_no from project where Expected_Cost_in_Lakh_Rupees>5000);
+------+-----------+----------------------+-----------------------+------+------------+
| SINO | Machine_no | Type_of_Machine      | Rent_per_day_in_rupees | qty  | Project_No |
+------+-----------+----------------------+-----------------------+------+------------+
|    2 |       102 | garbage_dumper_1_ton |                  7000 |   20 |        103 |
|    3 |       103 | grinder_200_watt     |                 10000 |   50 |        102 |
|    8 |       108 | sand_mesher          |                   500 |   50 |        107 |
|    9 |       109 | shovel               |                   250 |  150 |        109 |
+------+-----------+----------------------+-----------------------+------+------------+
4 rows in set (0.003 sec)
```

Query

MariaDB [projects]> select * from raw_materials where project_no in (select project_no from project where Expected_Cost_in_Lakh_Rupees>5000);

```
MariaDB [projects]> select * from raw_materials where project_no in (select project_no from project where Expected_Cost_in_Lakh_Rupees>5000);
+------+-------+--------------------------+----------+---------------+------------------+------+------------+
| SINO | rm_no | Name                     | qty_avlb | price_per_qty | Source           | ROL  | Project_No |
+------+-------+--------------------------+----------+---------------+------------------+------+------------+
|    3 |   103 | fine_sand_50kg           |      500 |           900 | goa_sand_company |  100 |        109 |
|    5 |   105 | bricks_heavy_30nos_pack  |      400 |          5000 | tata bricks      |  200 |        102 |
|    6 |   106 | beige_tile_2x2_20_pack   |      150 |          8500 | kajaria          |   30 |        103 |
|   10 |   110 | limestone_white_50kg_pack |      100 |         10000 | ilkal_line_works |  200 |        107 |
+------+-------+--------------------------+----------+---------------+------------------+------+------------+
4 rows in set (0.004 sec)
```