# DBMS

## PRACTICAL FILE

PREPARED FOR :
Ms. Manisha Bagri

PREPARED BY :
Abhishek Sahu
18012

- **Creating EMPLOYEE-DEPARTMENT Schema:**

```
DROP SCHEMA IF EXISTS COMPANY;

CREATE SCHEMA COMPANY;
```

```
USE COMPANY;
```

```
CREATE TABLE EMPLOYEE
(
    Eno           CHAR(3)     NOT NULL,
    Ename         VARCHAR(50) NOT NULL,
    Job_type      VARCHAR(50) NOT NULL,
    SupervisorENo CHAR(3),
    Hire_date     DATE        NOT NULL,
    Dno           INT,
    Commission    DEC(10, 2),
    Salary        DEC(7, 2)   NOT NULL,
    PRIMARY KEY (Eno)
);
```

```
CREATE TABLE DEPARTMENT
(
    Dno      INT NOT NULL,
    Dname    VARCHAR(50),
    Location VARCHAR(50) DEFAULT 'New Delhi',
    PRIMARY KEY (Dno)
);
```

```
ALTER TABLE EMPLOYEE
    ADD CONSTRAINT SupervisorConstraint
        FOREIGN KEY (SupervisorENo) REFERENCES EMPLOYEE (Eno);
```

```
ALTER TABLE EMPLOYEE
    ADD CONSTRAINT DepartmentConstraint
        FOREIGN KEY (Dno) REFERENCES DEPARTMENT (Dno);
```

- **Adding data to tables:**

```
INSERT INTO DEPARTMENT
VALUES (10, 'Headquarters', 'Mumbai'),
       (45, 'Legal', 'Mumbai'),
       (30, 'IT', 'Bengaluru'),
       (20, 'Outreach', 'Dallas'),
       (95, 'Purchase', 'Dallas');

INSERT INTO DEPARTMENT (Dno, Dname)
VALUES (90, 'Sales'),
      (40, 'Administration'),
```

```
       (50, 'Research');
```

```
INSERT INTO EMPLOYEE
VALUES ('778', 'John Smith', 'Managing Director', NULL, '1980-06-12', 10, NULL, 5800.23),
       ('153', 'Andy Beaford', 'Manager', '778', '2000-09-08', 40, NULL, 502.30),
       ('23', 'Sudipto Ghosh', 'Manager', '778', '1981-11-21', 30, NULL, 2465.92),
       ('25', 'Anmol Gupta', 'Manager', '778', '1981-09-11', 40, NULL, 2865.92),
       ('86', 'Tania Chauhan', 'Manager', '778', '1983-08-14', 90, 235.90, 2921.37),
       ('89', 'Alicia Jones', 'Manager', '778', '1982-10-26', 95, NULL, 980.35),
       ('232', 'Isa Jaques', 'Manager', '778', '1996-07-23', 45, NULL, 651.05),
       ('520', 'King Hethron', 'Manager', '778', '2015-10-13', 90, NULL, 497.18),
       ('188', 'Sherline Harbord', 'Manager', '778', '1995-08-05', 40, NULL, 926.42),
       ('146', 'Donielle Tuite', 'Intern', '520', '2016-06-12', 90, NULL, 171.60),
       ('125', 'Gurpreet Singh', 'Intern', NULL, '2008-05-15', NULL, NULL, 521.37),
       ('243', 'Marie Brahms', 'Engineer', '23', '1983-06-22', 40, NULL, 876.78),
       ('299', 'Mahala Burtwhistle', 'Analyst', '89', '1990-07-20', 95, NULL, 602.86),
       ('354', 'Bryna McKenny', 'Analyst', '153', '2001-10-11', 90, NULL, 693.63),
       ('421', 'Ulberto Gosz', 'Assistant', NULL, '2017-02-07', 10, NULL, 381.64),
       ('442', 'Netti Dellenbrok', 'Designer', '23', '2014-05-14', 30, NULL, 790.82),
       ('492', 'Salmon Gough', 'Assistant', '86', '2008-12-13', 90, 148.80, 998.32),
       ('504', 'Berny Bonas', 'Accountant', '778', '2008-05-24', 40, NULL, 779.34),
       ('516', 'Lowell Paule', 'Systems Administrator', '23', '2008-03-31', 30, 324.39, 969.66),
       ('518', 'Nicholas Comelini', 'Accountant', '188', '1997-03-20', 90, 546.04, 882.53);
```

```
INSERT INTO EMPLOYEE
VALUES ('528', 'Laurence Grosvener', 'Intern', '520', '2019-09-06', 90, 125.45, 244.37),
       ('611', 'Brandtr Wildbore', 'Engineer', '23', '2000-04-14', 30, NULL, 704.23),
       ('697', 'Druci Sixsmith', 'Technician', NULL, '2005-07-27', 10, 530.53, 387.43),
       ('718', 'Oneida Hicklingbottom', 'Intern', '89', '2006-03-25', 95, NULL, 789.82),
       ('732', 'Gannie Quantrell', 'Architect', '23', '2019-04-29', 30, NULL, 174.12),
       ('783', 'Fran Lening', 'Analyst', '23', '1981-05-27', 30, NULL, 471.17),
       ('79', 'Rahul Sahay', 'Intern', '23', '2004-08-14', 30, NULL, 2921.37),
       ('811', 'Shay Restieaux', 'Lawyer', '232', '1999-04-16', 45, 574.68, 500.22),
       ('823', 'Marcille Occleshaw', 'Lawyer', '232', '2003-12-27', 45, 453.52, 507.10),
       ('832', 'Desiri Allott', 'Intern', '89', '1997-11-04', 95, 239.84, 683.09),
       ('87', 'Blake Lewis', 'Intern', '86', '2008-05-02', 90, 125.45, 244.37),
       ('908', 'Gustav Waring', 'Engineer', '23', '2002-12-23', 30, NULL, 141.05),
       ('960', 'Virge Swancott', 'Developer', '23', '1984-01-23', 30, NULL, 292.48),
       ('969', 'Lee Prattin', 'Developer', '23', '1986-01-23', 30, NULL, 296.48),
       ('997', 'Mag Giacomo', 'Architect', '23', '2002-12-23', 30, NULL, 427.98),
       ('785', 'Chandal McBrier', 'Consultant', '23', '1998-02-10', 30, NULL, 697.68),
       ('659', 'Martha Annies', 'Developer', '23', '2008-11-03', 30, NULL, 200.80),
       ('932', 'Selestina Herries', 'Engineer', '23', '2013-05-23', 30, NULL, 239.27),
       ('837', 'Ashil Burney', 'Engineer', '23', '1987-03-29', 30, NULL, 586.13);
```

```
INSERT INTO EMPLOYEE
VALUES ('763', 'Rodrick Haighton', 'Analyst', '23', '2000-05-08', 30, NULL, 627.74),
       ('981', 'Nina Fisby', 'Systems Administrator', '23', '2017-07-26', 30, 324.39, 920.84),
       ('498', 'Skell Woolerton', 'Engineer', '23', '2004-04-04', 30, NULL, 506.44),
       ('809', 'Cornie Munby', 'Consultant', '23', '1986-06-07', 30, NULL, 688.37),
       ('915', 'Layton Murrie', 'Designer', '23', '2006-06-24', 30, NULL, 640.31),
       ('842', 'Rivy Buzek', 'Technician', NULL, '1982-05-25', 30, NULL, 295.31);
```

# Queries :

```sql
USE COMPANY;

-- EMPLOYEE
DESC EMPLOYEE;
```

```sql
-- DEPARTMENT
DESC DEPARTMENT;
```

```sql
-- Q1 Query to display Employee Name, Job, Hire Date, Employee Number; for each employee
with the Employee Number appearing first.
SELECT Eno,
       Ename,
       Job_type,
       Hire_date
FROM EMPLOYEE;
```

```sql
-- Q2 Query to display unique Jobs from the Employee Table.
SELECT DISTINCT Job_type
FROM EMPLOYEE;
```

```sql
-- Q3 Query to display the Employee Name concatenated by a Job separated by a comma
SELECT CONCAT(
               Ename, ',',
               Job_type
          ) AS Employee_Job
FROM EMPLOYEE;
```

```sql
-- Q4 Query to display all the data from the Employee Table. Separate each Column by a comma
--and name the said column as THE_OUTPUT.
SELECT CONCAT(
               Eno, ',',
               Ename, ',',
               Job_type, ',',
               IFNULL(SupervisorENo, ''), ',',
               Hire_date, ',',
               IFNULL(Dno, ''), ',',
               IFNULL(Commission, ''), ',',
               Salary
          ) AS THE_OUTPUT
FROM EMPLOYEE;
```

```sql
-- Q5Query to display the Employee Name and Salary of all the employees earning more than
--$2850.
SELECT Ename,
       Salary
FROM EMPLOYEE
WHERE Salary > 2850;
```

```sql
-- Q6 Query to display Employee Name and Department Number for the Employee No= 79.
SELECT Ename,
       Dno
FROM EMPLOYEE
WHERE Eno = '79';
```

```sql
-- Q7 Query to display Employee Name and Salary for all employees whose salary is not in the
```

```sql
--range of $1500 and $2850
SELECT Ename,
       Salary
FROM EMPLOYEE
WHERE Salary NOT BETWEEN 1500 AND 2850;
```

```sql
-- Q8 Query to display Employee Name and Department No. of all the employees in Dept 10 and
--Dept 30 in the alphabetical order by name
SELECT Ename,
       Dname
FROM (EMPLOYEE
         NATURAL JOIN DEPARTMENT)
WHERE Dno IN (10, 30)
ORDER BY Ename;
```

```sql
-- Q9 Query to display Name and Hire Date of every Employee who was hired in 1981
SELECT Ename,
       Hire_date
FROM EMPLOYEE
WHERE Hire_date
          LIKE '1981______';
```

```sql
-- Q10  Query to display Name and Job of all employees who have not assigned a supervisor.
SELECT Ename,
       Job_type
FROM EMPLOYEE
WHERE SupervisorENo IS NULL;
```

```sql
-- Q11 Query to display the Name, Salary and Commission for all the employees who earn
commission.
SELECT Ename,
       Salary,
       Commission
FROM EMPLOYEE
WHERE Commission IS NOT NULL;
```

```sql
-- Q12 Sort the data in descending order of Salary and Commission.
SELECT *
FROM EMPLOYEE
ORDER BY Salary DESC,
         Commission DESC;
```

```sql
-- Q13 Query to display Name of all the employees where the third letter of their name is ‘A’.
SELECT Ename
FROM EMPLOYEE
WHERE Ename LIKE '__A%';
```

```sql
-- Q14 Query to display Name of all employees either have two ‘R’s or have two ‘A’s in their
--name and are either in Dept No = 30 or their Manger’s Employee No = 7788.
SELECT Ename
FROM EMPLOYEE
WHERE Ename LIKE '%R%R%'
   OR Ename LIKE '%A%A%'
   OR Dno = 30
   OR SupervisorENo = '778';
```

```sql
-- Q15 Query to display Name, Salary and Commission for all employees whose Commission
--amount is greater than their Salary increased by 5%.
SELECT Ename,
       Salary,
```

```
       Commission
FROM EMPLOYEE
WHERE Commission > 1.05 * Salary;
```

```
-- Q16 Query to display the Current Date along with the day name.
SELECT DATE(NOW()),
       DAYNAME(NOW());
```

```
-- Q17  Query to display Name, Hire Date and Salary Review Date which is the 1st Monday after
--six months of employment.
WITH RECORDS(Ename, Hire_date, Six_after) AS (
    SELECT Ename,
           Hire_date,
           DATE_ADD(Hire_date, INTERVAL 6 MONTH)
               AS Six_after
    FROM EMPLOYEE
)
SELECT RECORDS.Ename,
       RECORDS.Hire_date,
       DATE_ADD(
               RECORDS.Six_after,
               INTERVAL
               IF(
                       0 = WEEKDAY(RECORDS.Six_after),
                       0 - WEEKDAY(RECORDS.Six_after),
                       7 - WEEKDAY(RECORDS.Six_after) + 0
                   )
               DAY
           ) AS Salary_review_date
FROM RECORDS;
```

```
-- Q18 Query to display Name and calculate the number of months between today and the date
--on which employee was hired of department ‘Purchase’.
SELECT Ename,
       TIMESTAMPDIFF(MONTH, Hire_date, NOW())
FROM (EMPLOYEE
         NATURAL JOIN DEPARTMENT)
WHERE Dname = 'Purchase';
```

```
-- Q19 Query to display Name and calculate the number of months between today and the date
--on which employee was hired of department ‘Purchase’.
SELECT CONCAT(
               Ename, ' earns $',
               Salary, ' monthly ',
               'but wants $', 3 * Salary
           )
           AS "Dream Salary"
FROM EMPLOYEE;
```

```
-- Q20 Query to display Name with the 1st letter capitalized and all other letter lower case and
--length of their name of all the employees whose name starts with ‘J’, ’A’ and ‘M’.
SELECT CONCAT(
               UPPER(SUBSTR(Ename, 1, 1)),
               LOWER(SUBSTR(Ename, 2))
           )
           AS "Name",
       LENGTH(Ename)
FROM EMPLOYEE
WHERE Ename LIKE 'J%'
   OR Ename LIKE 'A%'
```

```
   OR Ename LIKE 'M%';
```

```
-- Q21  Query to display Name, Hire Date and Day of the week on which the employee started.
SELECT Ename,
       Hire_date,
       DAYNAME(Hire_date)
FROM EMPLOYEE;
```

```
-- Q22 Query to display Name, Department Name and Department No for all the employees.
SELECT Ename,
       Dno,
       Dname
FROM (EMPLOYEE
         NATURAL JOIN DEPARTMENT);
```

```
-- Q23 Query to display Unique Listing of all Jobs that are in Department number 30.
SELECT DISTINCT Job_type
FROM EMPLOYEE
WHERE Dno = 30;
```

```
-- Q24 Query to display Name, Dept Name of all employees who have an ‘A’ in their name.
SELECT Ename,
       Dname
FROM (EMPLOYEE
         NATURAL JOIN DEPARTMENT)
WHERE Ename LIKE '%A%';
```

```
-- Q25  Query to display Name, Job, Department No. And Department Name for all the
--employees working at the Dallas location.
SELECT Ename,
       Job_type,
       Dno,
       Dname
FROM (EMPLOYEE
         NATURAL JOIN DEPARTMENT)
WHERE Location = 'Dallas';
```

```
-- Q26 uery to display Name and Employee no. Along with their supervisor’s Name and the
--supervisor’s employee no; along with the Employees’ Name who do not have a supervisor.
SELECT L.Ename,
SELECT E.Ename,
       E.Eno,
       S.Ename AS SupervisorName,
       S.Eno   AS SupervisorEno
FROM EMPLOYEE AS E
         LEFT OUTER JOIN EMPLOYEE AS S
                         ON E.SupervisorENo = S.Eno;
```

```
-- Q27 Query to display Name, Dept No. And Salary of any employee whose department No.
--and salary matches both the department no. And the salary of any employee who earns a
--commission.
SELECT L.Ename,
       L.Dno,
       L.Salary
FROM EMPLOYEE AS L,
     EMPLOYEE AS R
WHERE L.Dno = R.Dno
  AND L.Salary = R.Salary
  AND L.Eno <> R.Eno
  AND R.Commission IS NOT NULL;
```

```sql
-- Q28 Query to display Name and Salaries represented by asterisks, where each asterisk (*)
--signifies $100.
SELECT Ename,
       RPAD('*', Salary / 100, '*') AS Salary_Star
FROM EMPLOYEE;
```

```sql
-- Q29  Query to display the Highest, Lowest, Sum and Average Salaries of all the employees
SELECT MAX(Salary),
       MIN(Salary),
       SUM(Salary),
       AVG(Salary)
FROM EMPLOYEE;
```

```sql
-- Q30   Query to display the number of employees performing the same Job type functions.
SELECT Job_type,
       COUNT(DISTINCT Eno)
FROM EMPLOYEE
GROUP BY Job_type;
```

```sql
-- Q31  Query to display the total number of supervisors without listing their names.
SELECT COUNT(DISTINCT SupervisorENo)
FROM EMPLOYEE;
```

```sql
-- Q32 Query to display the Department Name, Location Name, No. of Employees and the
--average salary for all employees in that department.
SELECT Dname,
       Location,
       COUNT(*)              AS NumberOfEmployees,
       ROUND(AVG(Salary), 2) AS AvgSalary
FROM EMPLOYEE
         NATURAL JOIN DEPARTMENT
GROUP BY EMPLOYEE.Dno;
```

```sql
-- Q33  Query to display Name and Hire Date for all employees in the same dept. as Blake.
SELECT Ename,
       Hire_date
FROM EMPLOYEE
WHERE Dno IN (
    SELECT Dno
    FROM EMPLOYEE
    WHERE Ename LIKE 'Blake%'
);
```

```sql
-- Q34 Query to display the Employee No. And Name for all employees who earn more than the
average salary.
SELECT Ename,
       Salary
FROM EMPLOYEE
WHERE Salary > (
    SELECT AVG(Salary)
    FROM EMPLOYEE
);
```

```sql
-- Q35 Query to display Employee Number and Name for all employees who work in a
--department with any employee whose name contains a ‘T’.
SELECT Eno,
       Ename
FROM EMPLOYEE
WHERE Dno IN
```

```
      (
          SELECT Dno
          FROM EMPLOYEE
          WHERE Ename LIKE '%T%'
      );
```

```
-- Q36 Query to display the names and salaries of all employees who report to supervisor named
--‘King’
SELECT Ename,
       Salary
FROM EMPLOYEE
WHERE SupervisorENo IN (
    SELECT Eno
    FROM EMPLOYEE
    WHERE Ename LIKE 'King%'
);
```

```
-- Q37  Query to display the department no, name and job for all employees in the Sales
--department
SELECT Dno,
       Ename,
       Job_type
FROM (EMPLOYEE
         NATURAL JOIN DEPARTMENT)
WHERE Dname = 'Sales';
```

```
-- Q38 Display names of employees along with their department name who have more than 20
--years experience
SELECT Ename,
       Dname
FROM (EMPLOYEE
         NATURAL JOIN DEPARTMENT)
WHERE TIMESTAMPDIFF
          (
              YEAR,
              Hire_date,
              NOW()
          ) > 20;
```

```
-- Q39  Display total number of departments at each location
SELECT Location,
       COUNT(*)
FROM DEPARTMENT
GROUP BY Location;
```

```
-- Q40  Find the department name in which at least 20 employees work in
SELECT Dname
FROM (EMPLOYEE
         NATURAL JOIN DEPARTMENT)
GROUP BY Dno
HAVING COUNT(*) > 20;
```

```
-- Q41  Query to find the employee’ name who is not supervisor and name of supervisor
--supervising more than 5 employees.
(
    SELECT Ename
    FROM EMPLOYEE
    WHERE Eno NOT IN (
        SELECT DISTINCT SupervisorENo
        FROM EMPLOYEE
```

```
        WHERE SupervisorENo IS NOT NULL
    )
)
UNION
(
    SELECT Ename
    FROM EMPLOYEE
    WHERE Eno IN (
        SELECT SupervisorENo
        FROM EMPLOYEE
        WHERE SupervisorENo IS NOT NULL
        GROUP BY SupervisorENo
        HAVING COUNT(*) > 5
    )
);
```

```
-- Q42 Query to display the job type with maximum and minimum employees
WITH JOBCOUNT AS (
    SELECT COUNT(*) AS ECount
    FROM EMPLOYEE
    GROUP BY Job_type
)
SELECT Job_type,
       COUNT(*)
FROM EMPLOYEE
GROUP BY Job_type
HAVING COUNT(*) IN (
    (
        SELECT MAX(ECount)
        FROM JOBCOUNT
    )
    UNION
    (
        SELECT MIN(ECount)
        FROM JOBCOUNT
    )
);
```

# OUTPUT:

====
Q1
====

| | Eno | Ename | Job_type | Hire_date |
|---|---|---|---|---|
| Edit Copy Delete | 778 | John Smith | Managing Director | 1980-06-12 |
| Edit Copy Delete | 153 | Andy Beaford | Manager | 2000-09-08 |
| Edit Copy Delete | 23 | Abhishek Sahu | Manager | 1981-11-21 |
| Edit Copy Delete | 25 | Anmol Gupta | Manager | 1981-09-11 |
| Edit Copy Delete | 86 | Tania Chauhan | Manager | 1983-08-14 |
| Edit Copy Delete | 89 | Alicia Jones | Manager | 1982-10-26 |
| Edit Copy Delete | 232 | Isa Jaques | Manager | 1996-07-23 |
| Edit Copy Delete | 520 | King Hethron | Manager | 2015-10-13 |
| Edit Copy Delete | 188 | Sherline Harbord | Manager | 1995-08-05 |
| Edit Copy Delete | 146 | Donielle Tuite | Intern | 2016-06-12 |
| Edit Copy Delete | 125 | Gurpreet Singh | Intern | 2008-05-15 |
| Edit Copy Delete | 243 | Marie Brahms | Engineer | 1983-06-22 |
| Edit Copy Delete | 299 | Mahala Burtwhistle | Analyst | 1990-07-20 |
| Edit Copy Delete | 354 | Bryna McKenny | Analyst | 2001-10-11 |
| Edit Copy Delete | 421 | Ulberto Gosz | Assistant | 2017-02-07 |
| Edit Copy Delete | 442 | Netti Dellenbrok | Designer | 2014-05-14 |
| Edit Copy Delete | 492 | Salmon Gough | Assistant | 2008-12-13 |
| Edit Copy Delete | 504 | Berny Bonas | Accountant | 2008-05-24 |
| Edit Copy Delete | 516 | Lowell Paule | Systems Administrator | 2008-03-31 |
| Edit Copy Delete | 518 | Nicholas Comelini | Accountant | 1997-03-20 |
| Edit Copy Delete | 528 | Laurence Grosvener | Intern | 2019-09-06 |
| Edit Copy Delete | 611 | Brandtr Wildbore | Engineer | 2000-04-14 |
| Edit Copy Delete | 697 | Druci Sixsmith | Technician | 2005-07-27 |
| Edit Copy Delete | 718 | Oneida Hicklingbottom | Intern | 2006-03-25 |
| Edit Copy Delete | 732 | Gannie Quantrell | Architect | 2019-04-29 |

====
Q2
====

| ←T→ | Job_type |
| --- | --- |
| Edit Copy Delete | Managing Director |
| Edit Copy Delete | Manager |
| Edit Copy Delete | Intern |
| Edit Copy Delete | Engineer |
| Edit Copy Delete | Analyst |
| Edit Copy Delete | Assistant |
| Edit Copy Delete | Designer |
| Edit Copy Delete | Accountant |
| Edit Copy Delete | Systems Administrator |
| Edit Copy Delete | Technician |
| Edit Copy Delete | Architect |
| Edit Copy Delete | Lawyer |
| Edit Copy Delete | Developer |
| Edit Copy Delete | Consultant |

====
Q3
====

| Employee_Job |
| --- |
| John Smith,Managing Director |
| Andy Beaford,Manager |
| Abhishek Sahu,Manager |
| Anmol Gupta,Manager |
| Tania Chauhan,Manager |
| Alicia Jones,Manager |
| Isa Jaques,Manager |
| King Hethron,Manager |
| Sherline Harbord,Manager |
| Donielle Tuite,Intern |
| Gurpreet Singh,Intern |
| Marie Brahms,Engineer |
| Mahala Burtwhistle,Analyst |
| Bryna McKenny,Analyst |
| Ulberto Gosz,Assistant |
| Netti Dellenbrok,Designer |
| Salmon Gough,Assistant |
| Berny Bonas,Accountant |
| Lowell Paule,Systems Administrator |
| Nicholas Comelini,Accountant |
| Laurence Grosvener,Intern |
| Brandtr Wildbore,Engineer |
| Druci Sixsmith,Technician |
| Oneida Hicklingbottom,Intern |
| Gannie Quantrell,Architect |

====
Q4
====

| THE_OUTPUT |
| --- |
| 778,John Smith,Managing Director,,1980-06-12,10,,5... |
| 153,Andy Beaford,Manager,778,2000-09-08,40,,502.30 |
| 23,Abhishek Sahu,Manager,778,1981-11-21,30,,2465.9... |
| 25,Anmol Gupta,Manager,778,1981-09-11,40,,2865.92 |
| 86,Tania Chauhan,Manager,778,1983-08-14,90,235.90,... |
| 89,Alicia Jones,Manager,778,1982-10-26,95,,980.35 |
| 232,Isa Jaques,Manager,778,1996-07-23,45,,651.05 |
| 520,King Hethron,Manager,778,2015-10-13,90,,497.18 |
| 188,Sherline Harbord,Manager,778,1995-08-05,40,,92... |
| 146,Donielle Tuite,Intern,520,2016-06-12,90,,171.6... |
| 125,Gurpreet Singh,Intern,,2008-05-15,,,521.37 |
| 243,Marie Brahms,Engineer,23,1983-06-22,40,,876.78 |
| 299,Mahala Burtwhistle,Analyst,89,1990-07-20,95,,6... |
| 354,Bryna McKenny,Analyst,153,2001-10-11,90,,693.6... |
| 421,Ulberto Gosz,Assistant,,2017-02-07,10,,381.64 |
| 442,Netti Dellenbrok,Designer,23,2014-05-14,30,,79... |
| 492,Salmon Gough,Assistant,86,2008-12-13,90,148.80... |
| 504,Berny Bonas,Accountant,778,2008-05-24,40,,779.... |
| 516,Lowell Paule,Systems Administrator,23,2008-03-... |
| 518,Nicholas Comelini,Accountant,188,1997-03-20,90... |
| 528,Laurence Grosvener,Intern,520,2019-09-06,90,12... |
| 611,Brandtr Wildbore,Engineer,23,2000-04-14,30,,70... |
| 697,Druci Sixsmith,Technician,,2005-07-27,10,530.5... |
| 718,Oneida Hicklingbottom,Intern,89,2006-03-25,95,... |
| 732,Gannie Quantrell,Architect,23,2019-04-29,30,,1... |

====
Q5
====

| | Ename | Salary |
| --- | --- | --- |
| Edit Copy Delete | John Smith | 5800.23 |
| Edit Copy Delete | Anmol Gupta | 2865.92 |
| Edit Copy Delete | Tania Chauhan | 2921.37 |
| Edit Copy Delete | Rahul Sahay | 2921.37 |

====
Q6
====

| | Ename | Dno |
| --- | --- | --- |
| Edit Copy Delete | Rahul Sahay | 30 |

====
Q7
====

| | Ename | Salary |
|---|---|---|
| Edit Copy Delete | John Smith | 5800.23 |
| Edit Copy Delete | Andy Beaford | 502.30 |
| Edit Copy Delete | Anmol Gupta | 2865.92 |
| Edit Copy Delete | Tania Chauhan | 2921.37 |
| Edit Copy Delete | Alicia Jones | 980.35 |
| Edit Copy Delete | Isa Jaques | 651.05 |
| Edit Copy Delete | King Hethron | 497.18 |
| Edit Copy Delete | Sherline Harbord | 926.42 |
| Edit Copy Delete | Donielle Tuite | 171.60 |
| Edit Copy Delete | Gurpreet Singh | 521.37 |
| Edit Copy Delete | Marie Brahms | 876.78 |
| Edit Copy Delete | Mahala Burtwhistle | 602.86 |
| Edit Copy Delete | Bryna McKenny | 693.63 |
| Edit Copy Delete | Ulberto Gosz | 381.64 |
| Edit Copy Delete | Netti Dellenbrok | 790.82 |
| Edit Copy Delete | Salmon Gough | 998.32 |
| Edit Copy Delete | Berny Bonas | 779.34 |
| Edit Copy Delete | Lowell Paule | 969.66 |
| Edit Copy Delete | Nicholas Comelini | 882.53 |
| Edit Copy Delete | Laurence Grosvener | 244.37 |
| Edit Copy Delete | Brandtr Wildbore | 704.23 |
| Edit Copy Delete | Druci Sixsmith | 387.43 |
| Edit Copy Delete | Oneida Hicklingbottom | 789.82 |
| Edit Copy Delete | Gannie Quantrell | 174.12 |
| Edit Copy Delete | Fran Lening | 471.17 |

====
Q8
====

| Ename ▲ 1 | Dname |
|---|---|
| Abhishek Sahu | IT |
| Ashil Burney | IT |
| Brandtr Wildbore | IT |
| Chandal McBrier | IT |
| Cornie Munby | IT |
| Druci Sixsmith | Headquarters |
| Fran Lening | IT |
| Gannie Quantrell | IT |
| Gustav Waring | IT |
| John Smith | Headquarters |
| Layton Murrie | IT |
| Lee Prattin | IT |
| Lowell Paule | IT |
| Mag Giacomo | IT |
| Martha Annies | IT |
| Netti Dellenbrok | IT |
| Nina Fisby | IT |
| Rahul Sahay | IT |
| Rivy Buzek | IT |
| Rodrick Haighton | IT |
| Selestina Herries | IT |
| Skell Woolerton | IT |
| Ulberto Gosz | Headquarters |
| Virge Swancott | IT |

====
Q9
====

| | | | | Ename | Hire_date |
|---|---|---|---|---|---|
| ☐ | Edit | Copy | Delete | Abhishek Sahu | 1981-11-21 |
| ☐ | Edit | Copy | Delete | Anmol Gupta | 1981-09-11 |
| ☐ | Edit | Copy | Delete | Fran Lening | 1981-05-27 |

=====
Q10
=====

| | | | | Ename | Job_type |
|---|---|---|---|---|---|
| ☐ | Edit | Copy | Delete | John Smith | Managing Director |
| ☐ | Edit | Copy | Delete | Gurpreet Singh | Intern |
| ☐ | Edit | Copy | Delete | Ulberto Gosz | Assistant |
| ☐ | Edit | Copy | Delete | Druci Sixsmith | Technician |
| ☐ | Edit | Copy | Delete | Rivy Buzek | Technician |

=====
Q11
=====

| | Ename | Salary | Commission |
|---|---|---|---|
| Edit Copy Delete | Tania Chauhan | 2921.37 | 235.90 |
| Edit Copy Delete | Salmon Gough | 998.32 | 148.80 |
| Edit Copy Delete | Lowell Paule | 969.66 | 324.39 |
| Edit Copy Delete | Nicholas Comelini | 882.53 | 546.04 |
| Edit Copy Delete | Laurence Grosvener | 244.37 | 125.45 |
| Edit Copy Delete | Druci Sixsmith | 387.43 | 530.53 |
| Edit Copy Delete | Shay Restieaux | 500.22 | 574.68 |
| Edit Copy Delete | Marcille Occleshaw | 507.10 | 453.52 |
| Edit Copy Delete | Desiri Allott | 683.09 | 239.84 |
| Edit Copy Delete | Blake Lewis | 244.37 | 125.45 |
| Edit Copy Delete | Nina Fisby | 920.84 | 324.39 |

=====
Q12
=====

| | Eno | Ename | Job_type | SupervisorENo | Hire_date | Dno | Commission 2 | Salary 1 |
|---|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 778 | John Smith | Managing Director | NULL | 1980-06-12 | 10 | NULL | 5800.23 |
| Edit Copy Delete | 86 | Tania Chauhan | Manager | 778 | 1983-08-14 | 90 | 235.90 | 2921.37 |
| Edit Copy Delete | 79 | Rahul Sahay | Intern | 23 | 2004-08-14 | 30 | NULL | 2921.37 |
| Edit Copy Delete | 25 | Anmol Gupta | Manager | 778 | 1981-09-11 | 40 | NULL | 2865.92 |
| Edit Copy Delete | 23 | Abhishek Sahu | Manager | 778 | 1981-11-21 | 30 | NULL | 2465.92 |
| Edit Copy Delete | 492 | Salmon Gough | Assistant | 86 | 2008-12-13 | 90 | 148.80 | 998.32 |
| Edit Copy Delete | 89 | Alicia Jones | Manager | 778 | 1982-10-26 | 95 | NULL | 980.35 |
| Edit Copy Delete | 516 | Lowell Paule | Systems Administrator | 23 | 2008-03-31 | 30 | 324.39 | 969.66 |
| Edit Copy Delete | 188 | Sherline Harbord | Manager | 778 | 1995-08-05 | 40 | NULL | 926.42 |
| Edit Copy Delete | 981 | Nina Fisby | Systems Administrator | 23 | 2017-07-26 | 30 | 324.39 | 920.84 |
| Edit Copy Delete | 518 | Nicholas Comelini | Accountant | 188 | 1997-03-20 | 90 | 546.04 | 882.53 |
| Edit Copy Delete | 243 | Marie Brahms | Engineer | 23 | 1983-06-22 | 40 | NULL | 876.78 |
| Edit Copy Delete | 442 | Netti Dellenbrok | Designer | 23 | 2014-05-14 | 30 | NULL | 790.82 |
| Edit Copy Delete | 718 | Oneida Hicklingbottom | Intern | 89 | 2006-03-25 | 95 | NULL | 789.82 |
| Edit Copy Delete | 504 | Berny Bonas | Accountant | 778 | 2008-05-24 | 40 | NULL | 779.34 |
| Edit Copy Delete | 611 | Brandtr Wildbore | Engineer | 23 | 2000-04-14 | 30 | NULL | 704.23 |
| Edit Copy Delete | 785 | Chandal McBrier | Consultant | 23 | 1998-02-10 | 30 | NULL | 697.68 |
| Edit Copy Delete | 354 | Bryna McKenny | Analyst | 153 | 2001-10-11 | 90 | NULL | 693.63 |
| Edit Copy Delete | 809 | Cornie Munby | Consultant | 23 | 1986-06-07 | 30 | NULL | 688.37 |
| Edit Copy Delete | 832 | Desiri Allott | Intern | 89 | 1997-11-04 | 95 | 239.84 | 683.09 |
| Edit Copy Delete | 232 | Isa Jaques | Manager | 778 | 1996-07-23 | 45 | NULL | 651.05 |
| Edit Copy Delete | 915 | Layton Murrie | Designer | 23 | 2006-06-24 | 30 | NULL | 640.31 |
| Edit Copy Delete | 763 | Rodrick Haighton | Analyst | 23 | 2000-05-08 | 30 | NULL | 627.74 |
| Edit Copy Delete | 299 | Mahala Burtwhistle | Analyst | 89 | 1990-07-20 | 95 | NULL | 602.86 |
| Edit Copy Delete | 837 | Ashil Burney | Engineer | 23 | 1987-03-29 | 30 | NULL | 586.13 |

=====
Q13

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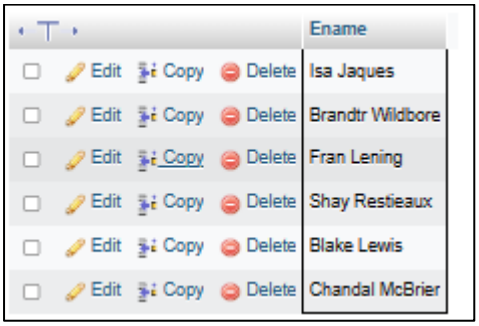

| | Ename |
|---|---|
| Edit Copy Delete | Isa Jaques |
| Edit Copy Delete | Brandtr Wildbore |
| Edit Copy Delete | Fran Lening |
| Edit Copy Delete | Shay Restieaux |
| Edit Copy Delete | Blake Lewis |
| Edit Copy Delete | Chandal McBrier |

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Q14

=====

| | Ename |
|---|---|
| Edit Copy Delete | Andy Beaford |
| Edit Copy Delete | Abhishek Sahu |
| Edit Copy Delete | Anmol Gupta |
| Edit Copy Delete | Tania Chauhan |
| Edit Copy Delete | Alicia Jones |
| Edit Copy Delete | Isa Jaques |
| Edit Copy Delete | King Hethron |
| Edit Copy Delete | Sherline Harbord |
| Edit Copy Delete | Gurpreet Singh |
| Edit Copy Delete | Marie Brahms |
| Edit Copy Delete | Mahala Burtwhistle |
| Edit Copy Delete | Netti Dellenbrok |
| Edit Copy Delete | Berny Bonas |
| Edit Copy Delete | Lowell Paule |
| Edit Copy Delete | Laurence Grosvener |
| Edit Copy Delete | Brandtr Wildbore |
| Edit Copy Delete | Gannie Quantrell |
| Edit Copy Delete | Fran Lening |
| Edit Copy Delete | Rahul Sahay |
| Edit Copy Delete | Shay Restieaux |
| Edit Copy Delete | Marcille Occleshaw |
| Edit Copy Delete | Gustav Waring |
| Edit Copy Delete | Virge Swancott |
| Edit Copy Delete | Lee Prattin |
| Edit Copy Delete | Mag Giacomo |

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Q15

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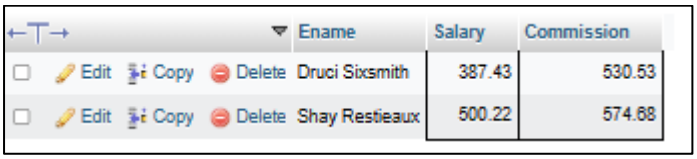

| | Ename | Salary | Commission |
|---|---|---|---|
| Edit Copy Delete | Druci Sixsmith | 387.43 | 530.53 |
| Edit Copy Delete | Shay Restieaux | 500.22 | 574.68 |

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Q16

=====

| DATE(NOW()) | DAYNAME(NOW()) |
|---|---|
| 2023-04-14 | Friday |

=====
Q17
=====

| | Ename | Hire_date | Salary_review_date |
|---|---|---|---|
| Edit Copy Delete | John Smith | 1980-06-12 | 1980-12-15 |
| Edit Copy Delete | Andy Beaford | 2000-09-08 | 2001-03-12 |
| Edit Copy Delete | Abhishek Sahu | 1981-11-21 | 1982-05-24 |
| Edit Copy Delete | Anmol Gupta | 1981-09-11 | 1982-03-15 |
| Edit Copy Delete | Tania Chauhan | 1983-08-14 | 1984-02-20 |
| Edit Copy Delete | Alicia Jones | 1982-10-26 | 1983-05-02 |
| Edit Copy Delete | Isa Jaques | 1996-07-23 | 1997-01-27 |
| Edit Copy Delete | King Hethron | 2015-10-13 | 2016-04-18 |
| Edit Copy Delete | Sherline Harbord | 1995-08-05 | 1996-02-05 |
| Edit Copy Delete | Donielle Tuite | 2016-06-12 | 2016-12-12 |
| Edit Copy Delete | Gurpreet Singh | 2008-05-15 | 2008-11-17 |
| Edit Copy Delete | Marie Brahms | 1983-06-22 | 1983-12-26 |
| Edit Copy Delete | Mahala Burtwhistle | 1990-07-20 | 1991-01-21 |
| Edit Copy Delete | Bryna McKenny | 2001-10-11 | 2002-04-15 |
| Edit Copy Delete | Ulberto Gosz | 2017-02-07 | 2017-08-07 |
| Edit Copy Delete | Netti Dellenbrok | 2014-05-14 | 2014-11-17 |
| Edit Copy Delete | Salmon Gough | 2008-12-13 | 2009-06-15 |
| Edit Copy Delete | Berny Bonas | 2008-05-24 | 2008-11-24 |
| Edit Copy Delete | Lowell Paule | 2008-03-31 | 2008-10-06 |
| Edit Copy Delete | Nicholas Comelini | 1997-03-20 | 1997-09-22 |
| Edit Copy Delete | Laurence Grosvener | 2019-09-06 | 2020-03-09 |
| Edit Copy Delete | Brandtr Wildbore | 2000-04-14 | 2000-10-16 |
| Edit Copy Delete | Druci Sixsmith | 2005-07-27 | 2006-01-30 |
| Edit Copy Delete | Oneida Hicklingbottom | 2006-03-25 | 2006-09-25 |
| Edit Copy Delete | Gannie Quantrell | 2019-04-29 | 2019-11-04 |
| Edit Copy Delete | Fran Lening | 1981-05-27 | 1981-11-30 |
| Edit Copy Delete | Rahul Sahay | 2004-08-14 | 2005-02-14 |
| Edit Copy Delete | Shay Restieaux | 1999-04-16 | 1999-10-18 |
| Edit Copy Delete | Marcille Occleshaw | 2003-12-27 | 2004-06-28 |
| Edit Copy Delete | Desiri Allott | 1997-11-04 | 1998-05-04 |
| Edit Copy Delete | Blake Lewis | 2008-05-02 | 2008-11-03 |
| Edit Copy Delete | Gustav Waring | 2002-12-23 | 2003-06-23 |
| Edit Copy Delete | Virge Swancott | 1984-01-23 | 1984-07-23 |
| Edit Copy Delete | Lee Prattin | 1986-01-23 | 1986-07-28 |
| Edit Copy Delete | Mag Giacomo | 2002-12-23 | 2003-06-23 |
| Edit Copy Delete | Chandal McBrier | 1998-02-10 | 1998-08-10 |
| Edit Copy Delete | Martha Annies | 2008-11-03 | 2009-05-04 |
| Edit Copy Delete | Selestina Herries | 2013-05-23 | 2013-11-25 |
| Edit Copy Delete | Ashil Burney | 1987-03-29 | 1987-10-05 |
| Edit Copy Delete | Rodrick Haighton | 2000-05-08 | 2000-11-13 |
| Edit Copy Delete | Nina Fisby | 2017-07-26 | 2018-01-29 |
| Edit Copy Delete | Skell Woolerton | 2004-04-04 | 2004-10-04 |
| Edit Copy Delete | Cornie Munby | 1986-06-07 | 1986-12-08 |
| Edit Copy Delete | Layton Murrie | 2006-06-24 | 2006-12-25 |
| Edit Copy Delete | Rivy Buzek | 1982-05-25 | 1982-11-29 |

=====
Q18
=====

| Ename | TIMESTAMPDIFF(MONTH, Hire_date, NOW()) |
|---|---|
| Alicia Jones | 485 |
| Mahala Burtwhistle | 392 |
| Oneida Hicklingbottom | 204 |
| Desiri Allott | 305 |

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Q19
=====

| Dream Salary |
|---|
| John Smith earns $5800.23 monthly but wants $17400... |
| Andy Beaford earns $502.30 monthly but wants $1506... |
| Abhishek Sahu earns $2465.92 monthly but wants $73... |
| Anmol Gupta earns $2865.92 monthly but wants $8597... |
| Tania Chauhan earns $2921.37 monthly but wants $87... |
| Alicia Jones earns $980.35 monthly but wants $2941... |
| Isa Jaques earns $651.05 monthly but wants $1953.1... |
| King Hethron earns $497.18 monthly but wants $1491... |
| Sherline Harbord earns $926.42 monthly but wants $... |
| Donielle Tuite earns $171.60 monthly but wants $51... |
| Gurpreet Singh earns $521.37 monthly but wants $15... |
| Marie Brahms earns $876.78 monthly but wants $2630... |
| Mahala Burtwhistle earns $602.86 monthly but wants... |
| Bryna McKenny earns $693.63 monthly but wants $208... |
| Ulberto Gosz earns $381.64 monthly but wants $1144... |
| Netti Dellenbrok earns $790.82 monthly but wants $... |
| Salmon Gough earns $998.32 monthly but wants $2994... |
| Berny Bonas earns $779.34 monthly but wants $2338.... |
| Lowell Paule earns $969.66 monthly but wants $2908... |
| Nicholas Comelini earns $882.53 monthly but wants ... |
| Laurence Grosvener earns $244.37 monthly but wants... |
| Brandtr Wildbore earns $704.23 monthly but wants $... |
| Druci Sixsmith earns $387.43 monthly but wants $11... |
| Oneida Hicklingbottom earns $789.82 monthly but wa... |
| Gannie Quantrell earns $174.12 monthly but wants $... |

=====
Q20
=====

| Name | LENGTH(Ename) |
|---|---|
| John smith | 10 |
| Andy beaford | 12 |
| Abhishek sahu | 13 |
| Anmol gupta | 11 |
| Alicia jones | 12 |
| Marie brahms | 12 |
| Mahala burtwhistle | 18 |
| Marcille occleshaw | 18 |
| Mag giacomo | 11 |
| Martha annies | 13 |
| Ashil burney | 12 |

=====
Q21
=====

| | Ename | Hire_date | DAYNAME(Hire_date) |
|---|---|---|---|
| Edit Copy Delete | John Smith | 1980-06-12 | Thursday |
| Edit Copy Delete | Andy Beaford | 2000-09-08 | Friday |
| Edit Copy Delete | Abhishek Sahu | 1981-11-21 | Saturday |
| Edit Copy Delete | Anmol Gupta | 1981-09-11 | Friday |
| Edit Copy Delete | Tania Chauhan | 1983-08-14 | Sunday |
| Edit Copy Delete | Alicia Jones | 1982-10-26 | Tuesday |
| Edit Copy Delete | Isa Jaques | 1996-07-23 | Tuesday |
| Edit Copy Delete | King Hethron | 2015-10-13 | Tuesday |
| Edit Copy Delete | Sherline Harbord | 1995-08-05 | Saturday |
| Edit Copy Delete | Donielle Tuite | 2016-06-12 | Sunday |
| Edit Copy Delete | Gurpreet Singh | 2008-05-15 | Thursday |
| Edit Copy Delete | Marie Brahms | 1983-06-22 | Wednesday |
| Edit Copy Delete | Mahala Burtwhistle | 1990-07-20 | Friday |
| Edit Copy Delete | Bryna McKenny | 2001-10-11 | Thursday |
| Edit Copy Delete | Ulberto Gosz | 2017-02-07 | Tuesday |
| Edit Copy Delete | Netti Dellenbrok | 2014-05-14 | Wednesday |
| Edit Copy Delete | Salmon Gough | 2008-12-13 | Saturday |
| Edit Copy Delete | Berny Bonas | 2008-05-24 | Saturday |
| Edit Copy Delete | Lowell Paule | 2008-03-31 | Monday |
| Edit Copy Delete | Nicholas Comelini | 1997-03-20 | Thursday |
| Edit Copy Delete | Laurence Grosvener | 2019-09-06 | Friday |
| Edit Copy Delete | Brandtr Wildbore | 2000-04-14 | Friday |
| Edit Copy Delete | Druci Sixsmith | 2005-07-27 | Wednesday |
| Edit Copy Delete | Oneida Hicklingbottom | 2006-03-25 | Saturday |
| Edit Copy Delete | Gannie Quantrell | 2019-04-29 | Monday |

=====

Q22

=====

| Ename | Dno | Dname |
|---|---|---|
| John Smith | 10 | Headquarters |
| Andy Beaford | 40 | Administration |
| Abhishek Sahu | 30 | IT |
| Anmol Gupta | 40 | Administration |
| Tania Chauhan | 90 | Sales |
| Alicia Jones | 95 | Purchase |
| Isa Jaques | 45 | Legal |
| King Hethron | 90 | Sales |
| Sherline Harbord | 40 | Administration |
| Donielle Tuite | 90 | Sales |
| Marie Brahms | 40 | Administration |
| Mahala Burtwhistle | 95 | Purchase |
| Bryna McKenny | 90 | Sales |
| Ulberto Gosz | 10 | Headquarters |
| Netti Dellenbrok | 30 | IT |
| Salmon Gough | 90 | Sales |
| Berny Bonas | 40 | Administration |
| Lowell Paule | 30 | IT |
| Nicholas Comelini | 90 | Sales |
| Laurence Grosvener | 90 | Sales |
| Brandtr Wildbore | 30 | IT |
| Druci Sixsmith | 10 | Headquarters |
| Oneida Hicklingbottom | 95 | Purchase |
| Gannie Quantrell | 30 | IT |
| Fran Lening | 30 | IT |

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Q23

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| | Job_type |
|---|---|
| Edit Copy Delete | Manager |
| Edit Copy Delete | Designer |
| Edit Copy Delete | Systems Administrator |
| Edit Copy Delete | Engineer |
| Edit Copy Delete | Architect |
| Edit Copy Delete | Analyst |
| Edit Copy Delete | Intern |
| Edit Copy Delete | Developer |
| Edit Copy Delete | Consultant |
| Edit Copy Delete | Technician |

=====

Q24

=====

| Ename | Dname |
|---|---|
| Andy Beaford | Administration |
| Abhishek Sahu | IT |
| Anmol Gupta | Administration |
| Tania Chauhan | Sales |
| Alicia Jones | Purchase |
| Isa Jaques | Legal |
| Sherline Harbord | Administration |
| Marie Brahms | Administration |
| Mahala Burtwhistle | Purchase |
| Bryna McKenny | Sales |
| Salmon Gough | Sales |
| Berny Bonas | Administration |
| Lowell Paule | IT |
| Nicholas Comelini | Sales |
| Laurence Grosvener | Sales |
| Brandtr Wildbore | IT |
| Oneida Hicklingbottom | Purchase |
| Gannie Quantrell | IT |
| Fran Lening | IT |
| Rahul Sahay | IT |
| Shay Restieaux | Legal |
| Marcille Occleshaw | Legal |
| Desiri Allott | Purchase |
| Blake Lewis | Sales |
| Gustav Waring | IT |

=====

Q25

=====

| Ename | Job_type | Dno | Dname |
|---|---|---|---|
| Alicia Jones | Manager | 95 | Purchase |
| Mahala Burtwhistle | Analyst | 95 | Purchase |
| Oneida Hicklingbottom | Intern | 95 | Purchase |
| Desiri Allott | Intern | 95 | Purchase |

=====

Q26

=====

| Ename | Eno | SupervisorName | SupervisorEno |
|---|---|---|---|
| John Smith | 778 | *NULL* | *NULL* |
| Andy Beaford | 153 | John Smith | 778 |
| Abhishek Sahu | 23 | John Smith | 778 |
| Anmol Gupta | 25 | John Smith | 778 |
| Tania Chauhan | 86 | John Smith | 778 |
| Alicia Jones | 89 | John Smith | 778 |
| Isa Jaques | 232 | John Smith | 778 |
| King Hethron | 520 | John Smith | 778 |
| Sherline Harbord | 188 | John Smith | 778 |
| Donielle Tuite | 146 | King Hethron | 520 |
| Gurpreet Singh | 125 | *NULL* | *NULL* |
| Marie Brahms | 243 | Abhishek Sahu | 23 |
| Mahala Burtwhistle | 299 | Alicia Jones | 89 |
| Bryna McKenny | 354 | Andy Beaford | 153 |
| Ulberto Gosz | 421 | *NULL* | *NULL* |
| Netti Dellenbrok | 442 | Abhishek Sahu | 23 |
| Salmon Gough | 492 | Tania Chauhan | 86 |
| Berny Bonas | 504 | John Smith | 778 |
| Lowell Paule | 516 | Abhishek Sahu | 23 |
| Nicholas Comelini | 518 | Sherline Harbord | 188 |
| Laurence Grosvener | 528 | King Hethron | 520 |
| Brandtr Wildbore | 611 | Abhishek Sahu | 23 |
| Druci Sixsmith | 697 | *NULL* | *NULL* |
| Oneida Hicklingbottom | 718 | Alicia Jones | 89 |
| Gannie Quantrell | 732 | Abhishek Sahu | 23 |

=====
Q27
=====

| | Ename | Dno | Salary |
|---|---|---|---|
| Edit Copy Delete | Laurence Grosvener | 90 | 244.37 |
| Edit Copy Delete | Blake Lewis | 90 | 244.37 |

=====
Q28
=====

| | Ename | Salary_Star |
|---|---|---|
| Edit Copy Delete | John Smith | ********** |
| Edit Copy Delete | Andy Beaford | ***** |
| Edit Copy Delete | Abhishek Sahu | ********** |
| Edit Copy Delete | Anmol Gupta | ********** |
| Edit Copy Delete | Tania Chauhan | ********** |
| Edit Copy Delete | Alicia Jones | ********** |
| Edit Copy Delete | Isa Jaques | ******* |
| Edit Copy Delete | King Hethron | ***** |
| Edit Copy Delete | Sherline Harbord | ********** |
| Edit Copy Delete | Donielle Tuite | ** |
| Edit Copy Delete | Gurpreet Singh | ***** |
| Edit Copy Delete | Marie Brahms | ********** |
| Edit Copy Delete | Mahala Burtwhistle | ****** |
| Edit Copy Delete | Bryna McKenny | ******* |
| Edit Copy Delete | Ulberto Gosz | **** |
| Edit Copy Delete | Netti Dellenbrok | ******** |
| Edit Copy Delete | Salmon Gough | ********** |
| Edit Copy Delete | Berny Bonas | ******** |
| Edit Copy Delete | Lowell Paule | ********** |
| Edit Copy Delete | Nicholas Comelini | ********** |
| Edit Copy Delete | Laurence Grosvener | ** |
| Edit Copy Delete | Brandtr Wildbore | ******* |
| Edit Copy Delete | Druci Sixsmith | **** |
| Edit Copy Delete | Oneida Hicklingbottom | ******** |
| Edit Copy Delete | Gannie Quantrell | ** |

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Q29

=====

| MAX(Salary) | MIN(Salary) | SUM(Salary) | AVG(Salary) |
|---|---|---|---|
| 5800.23 | 141.05 | 39467.48 | 877.054667 |

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Q30

=====

| Job_type | COUNT(DISTINCT Eno) |
|---|---|
| Accountant | 2 |
| Analyst | 4 |
| Architect | 2 |
| Assistant | 2 |
| Consultant | 2 |
| Designer | 2 |
| Developer | 3 |
| Engineer | 6 |
| Intern | 7 |
| Lawyer | 2 |
| Manager | 8 |
| Managing Director | 1 |
| Systems Administrator | 2 |
| Technician | 2 |

=====

Q31

=====

| COUNT(DISTINCT SupervisorENo) |
|---|
| 8 |

=====
Q32
=====

| Dname | Location | NumberOfEmployees | AvgSalary |
|---|---|---|---|
| Headquarters | Mumbai | 3 | 2189.77 |
| Administration | New Delhi | 5 | 1190.15 |
| IT | Bengaluru | 21 | 717.06 |
| Sales | New Delhi | 8 | 831.67 |
| Purchase | Dallas | 4 | 764.03 |
| Legal | Mumbai | 3 | 552.79 |

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Q33
=====

| | Ename | Hire_date |
|---|---|---|
| Edit Copy Delete | Tania Chauhan | 1983-08-14 |
| Edit Copy Delete | King Hethron | 2015-10-13 |
| Edit Copy Delete | Donielle Tuite | 2016-06-12 |
| Edit Copy Delete | Bryna McKenny | 2001-10-11 |
| Edit Copy Delete | Salmon Gough | 2008-12-13 |
| Edit Copy Delete | Nicholas Comelini | 1997-03-20 |
| Edit Copy Delete | Laurence Grosvener | 2019-09-06 |
| Edit Copy Delete | Blake Lewis | 2008-05-02 |

=====
Q34
=====

| | Ename | Salary |
|---|---|---|
| Edit Copy Delete | John Smith | 5800.23 |
| Edit Copy Delete | Abhishek Sahu | 2465.92 |
| Edit Copy Delete | Anmol Gupta | 2865.92 |
| Edit Copy Delete | Tania Chauhan | 2921.37 |
| Edit Copy Delete | Alicia Jones | 980.35 |
| Edit Copy Delete | Sherline Harbord | 926.42 |
| Edit Copy Delete | Salmon Gough | 998.32 |
| Edit Copy Delete | Lowell Paule | 969.66 |
| Edit Copy Delete | Nicholas Comelini | 882.53 |
| Edit Copy Delete | Rahul Sahay | 2921.37 |
| Edit Copy Delete | Nina Fisby | 920.84 |

=====
Q35

=====

| | Eno | Ename |
|---|---|---|
| Edit Copy Delete | 778 | John Smith |
| Edit Copy Delete | 153 | Andy Beaford |
| Edit Copy Delete | 23 | Abhishek Sahu |
| Edit Copy Delete | 25 | Anmol Gupta |
| Edit Copy Delete | 86 | Tania Chauhan |
| Edit Copy Delete | 89 | Alicia Jones |
| Edit Copy Delete | 232 | Isa Jaques |
| Edit Copy Delete | 520 | King Hethron |
| Edit Copy Delete | 188 | Sherline Harbord |
| Edit Copy Delete | 146 | Donielle Tuite |
| Edit Copy Delete | 243 | Marie Brahms |
| Edit Copy Delete | 299 | Mahala Burtwhistle |
| Edit Copy Delete | 354 | Bryna McKenny |
| Edit Copy Delete | 421 | Ulberto Gosz |
| Edit Copy Delete | 442 | Netti Dellenbrok |
| Edit Copy Delete | 492 | Salmon Gough |
| Edit Copy Delete | 504 | Berny Bonas |
| Edit Copy Delete | 516 | Lowell Paule |
| Edit Copy Delete | 518 | Nicholas Comelini |
| Edit Copy Delete | 528 | Laurence Grosvener |
| Edit Copy Delete | 611 | Brandtr Wildbore |
| Edit Copy Delete | 697 | Druci Sixsmith |
| Edit Copy Delete | 718 | Oneida Hicklingbottom |
| Edit Copy Delete | 732 | Gannie Quantrell |
| Edit Copy Delete | 783 | Fran Lening |

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Q36

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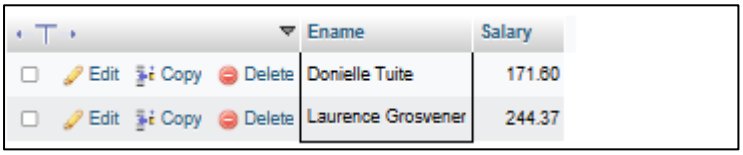

| | Ename | Salary |
|---|---|---|
| Edit Copy Delete | Donielle Tuite | 171.60 |
| Edit Copy Delete | Laurence Grosvener | 244.37 |

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Q37

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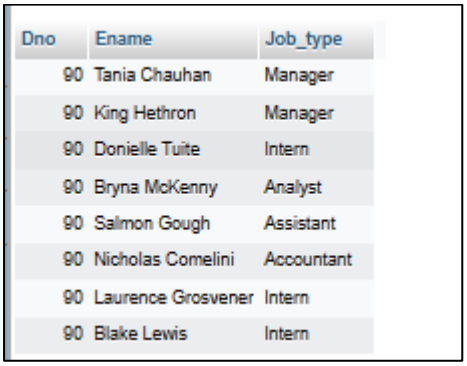

| Dno | Ename | Job_type |
|---|---|---|
| 90 | Tania Chauhan | Manager |
| 90 | King Hethron | Manager |
| 90 | Donielle Tuite | Intern |
| 90 | Bryna McKenny | Analyst |
| 90 | Salmon Gough | Assistant |
| 90 | Nicholas Comelini | Accountant |
| 90 | Laurence Grosvener | Intern |
| 90 | Blake Lewis | Intern |

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Q38

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| Ename | Dname |
|---|---|
| John Smith | Headquarters |
| Andy Beaford | Administration |
| Abhishek Sahu | IT |
| Anmol Gupta | Administration |
| Tania Chauhan | Sales |
| Alicia Jones | Purchase |
| Isa Jaques | Legal |
| Sherline Harbord | Administration |
| Marie Brahms | Administration |
| Mahala Burtwhistle | Purchase |
| Bryna McKenny | Sales |
| Nicholas Comelini | Sales |
| Brandtr Wildbore | IT |
| Fran Lening | IT |
| Shay Restieaux | Legal |
| Desiri Allott | Purchase |
| Virge Swancott | IT |
| Lee Prattin | IT |
| Chandal McBrier | IT |
| Ashil Burney | IT |
| Rodrick Haighton | IT |
| Cornie Munby | IT |
| Rivy Buzek | IT |

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Q39
=====

| Location | COUNT(*) |
|---|---|
| Mumbai | 2 |
| Bengaluru | 1 |
| Dallas | 2 |
| New Delhi | 3 |

=====
Q40
=====

| Dname |
|---|
| IT |

=====
Q41
=====

| Ename |
| --- |
| Anmol Gupta |
| Donielle Tuite |
| Gurpreet Singh |
| Marie Brahms |
| Mahala Burtwhistle |
| Bryna McKenny |
| Ulberto Gosz |
| Netti Dellenbrok |
| Salmon Gough |
| Berny Bonas |
| Lowell Paule |
| Nicholas Comelini |
| Laurence Grosvener |
| Brandtr Wildbore |
| Druci Sixsmith |
| Oneida Hicklingbottom |
| Gannie Quantrell |
| Fran Lening |
| Rahul Sahay |
| Shay Restieaux |
| Marcille Occleshaw |
| Desiri Allott |
| Blake Lewis |
| Gustav Waring |
| Virge Swancott |

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Q42
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| ←T→ | Job_type | COUNT(*) |
| --- | --- | --- |
| Edit Copy Delete | Managing Director | 1 |
| Edit Copy Delete | Manager | 8 |