**Code for employee\_details table:**

CREATE TABLE employee\_details(emp\_id varchar(3) NOT NULL,

full\_name varchar(20) NULL,

manager\_id varchar(5) NULL,

date\_of\_joining date NULL,

city varchar(15)

)

INSERT INTO employee\_details VALUES('121', 'John Snow', '321', '01/31/2019', 'Toronto');

INSERT INTO employee\_details VALUES('321', 'Walter White', '986', '01/30/2020', 'California');

INSERT INTO employee\_details VALUES('421', 'Kuldeep Rana', '876', '11/27/2021', 'New Delhi')

**Code for employee\_salary table:**

CREATE TABLE employee\_salary(emp\_id varchar(3) NOT NULL,

project varchar(2) NULL,

salary int NULL,

variable int NULL

)

INSERT INTO employee\_salary VALUES('121', 'P1', '8000', '500');

INSERT INTO employee\_salary VALUES('321', 'P2', '10000', '1000');

INSERT INTO employee\_salary VALUES('421', 'P1', '12000', '0');

INSERT INTO employee\_salary VALUES('429', NULL , '12000', '0');

**Questions for Practice:**

1. Write an SQL query to fetch the different projects available from the EmployeeSalary table
2. Write an SQL query to fetch the count of employees working in project ‘P1’
3. Write an SQL query to find the maximum, minimum, and average salary of the employees
4. Write an SQL query to display the total salary of each employee adding the Salary with Variable value
5. Write an SQL query to fetch the employees whose name begins with any two characters, followed by a text “hn” and ends with any sequence of characters
6. Write an SQL query to fetch all the EmpIds which are present in either of the tables – ‘EmployeeDetails’ and ‘EmployeeSalary’
7. Write an SQL query to fetch records that are present in one table but not in another table.
8. Write an SQL query to fetch the employee’s full names and replace the space with ‘-’
9. Write an SQL query to display both the EmpId and ManagerId together
10. Write a query to fetch only the first name(string before space) from the FullName column of the EmployeeDetails table
11. Write an SQL query to uppercase the name of the employee and lowercase the city values
12. Write an SQL query to find the count of the total occurrences of a particular character – ‘n’ in the FullName field
13. Fetch all the employees who are not working on any project
14. Write an SQL query to fetch employee names having a salary greater than or equal to 5000 and less than or equal to 10000
15. Write an SQL query to fetch all the Employee details from the EmployeeDetails table who joined in the Year 2020

**Questions for Assignment**

Q1. Write an SQL query to fetch all the Employees who are also managers from the EmployeeDetails table

Q2. Write an SQL query to fetch duplicate records from EmployeeDetails (without considering the primary key – EmpId).

Q3. Write an SQL query to remove duplicates from a table without using a temporary table.

Q4. Write an SQL query to fetch only odd rows from the table.

Q5. Write an SQL query to fetch only even rows from the table.

Q6. Write an SQL query to create a new table with data and structure copied from another table.

Q7. Write an SQL query to create an empty table with the same structure as some other table.

Q8. Write an SQL query to fetch top n records.

Q9. Write an SQL query to find the nth highest salary from a table.

Q10. Write SQL query to find the 3rd highest salary from a table without using the TOP/limit keyword.