SQL Query Definitions

Table Schema

```
CREATE TABLE Employees (
    EmployeeID INT,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    Age INT,
    Department VARCHAR(50),
    Salary DECIMAL(10,2),
    JoinDate DATE,
    Bonus DECIMAL(10,2)
);
```

Sample Records (20 rows)

```
INSERT INTO Employees VALUES (1, 'Amit', 'Shah', 30, 'IT', 75000.00, '2020-01-15', NULL);
INSERT INTO Employees VALUES (2, 'Neha', 'Patel', 27, 'HR', 55000.00, '2021-03-22', 5000.00);
INSERT INTO Employees VALUES (3, 'Rahul', 'Mehta', 35, 'Finance', 82000.00, '2019-11-01', NULL);
INSERT INTO Employees VALUES (4, 'Priya', 'Desai', 29, 'IT', 70000.00, '2020-06-18', 3000.00);
INSERT INTO Employees VALUES (5, 'Kiran', 'Joshi', 42, 'Admin', 60000.00, '2018-07-10', 2000.00);
INSERT INTO Employees VALUES (6, 'Sneha', 'Rao', 25, 'HR', 48000.00, '2022-01-05', NULL);
INSERT INTO Employees VALUES (7, 'Jay', 'Mistry', 38, 'Finance', 91000.00, '2017-02-23', 7000.00);
INSERT INTO Employees VALUES (8, 'Anita', 'Kumar', 31, 'IT', 76500.00, '2020-12-12', NULL);
INSERT INTO Employees VALUES (9, 'Nikhil', 'Singh', 28, 'IT', 72000.00, '2021-09-14', 1000.00);
INSERT INTO Employees VALUES (10, 'Deepa', 'Kapoor', 34, 'HR', 58000.00, '2020-03-17', NULL);
INSERT INTO Employees VALUES (11, 'Ravi', 'Varma', 36, 'Finance', 88000.00, '2019-05-11', 4000.00);
INSERT INTO Employees VALUES (12, 'Bhavna', 'Sharma', 30, 'Admin', 63000.00, '2021-10-20', NULL);
INSERT INTO Employees VALUES (13, 'Vikas', 'Gupta', 26, 'IT', 71000.00, '2022-04-25', 1500.00);
INSERT INTO Employees VALUES (14, 'Jaya', 'Nair', 39, 'HR', 60000.00, '2018-08-29', NULL);
INSERT INTO Employees VALUES (15, 'Manoj', 'Reddy', 45, 'Finance', 95000.00, '2016-01-04', 10000.00);
```

```
INSERT INTO Employees VALUES (16, 'Pooja', 'Iyer', 32, 'Admin', 67000.00, '2019-12-07', NULL);
INSERT INTO Employees VALUES (17, 'Ramesh', 'Chauhan', 41, 'IT', 80000.00, '2017-06-30', NULL);
INSERT INTO Employees VALUES (18, 'Sonali', 'Joshi', 33, 'HR', 56000.00, '2022-02-15', 2500.00);
INSERT INTO Employees VALUES (19, 'Abhay', 'Pandey', 29, 'Admin', 62000.00, '2020-09-09', NULL);
INSERT INTO Employees VALUES (20, 'Ritu', 'Saxena', 40, 'Finance', 93000.00, '2016-11-19', NULL);
```

1. Retrieves all columns and all rows from the Employees table.
2. Retrieves only the FirstName and LastName columns from every row in the Employees table.
3. Fetches all employee records where the age is greater than 30.
4. Returns all records of employees who work in the IT department.
5. Retrieves employees whose age is between 30 and 40, inclusive.
6. Returns employee records where the department is either 'IT' or 'HR'.
7. Fetches all employee records where the bonus field has no value (i.e., NULL).
8. Returns all employees who have a bonus value (not NULL).
9. Retrieves all employees with a salary greater than ₹70,000.
10. Fetches records of employees who joined after January 1, 2020.
11. Displays all employees sorted by age in ascending order (youngest to oldest).
12. Displays all employees sorted by salary in descending order (highest to lowest).
13. Returns a list of unique department names from the Employees table.
14. Fetches employees who are younger than 30 and work in the IT department.
15. Returns employees who are either older than 30 or have a salary above ₹90,000.
16. Retrieves all employees who do not belong to the Admin department.
17. Fetches employees whose salary lies between ₹60,000 and ₹80,000, inclusive.
18. Returns Finance department employees who have received a bonus.
19. Retrieves employees without a bonus, and sorts them by salary in descending order.
20. Fetches employees whose age is less than 30 or more than 40, excluding the range of 30 to 40.
21. Returns employees who belong to either the HR or Admin department and are younger than 35.