

DBMS LAB SQL QUERIES

SUPPLIER TABLE

```
CREATE TABLE Supplier ( Sup_No VARCHAR(5) PRIMARY KEY, Sup_Name VARCHAR(50),  
Item_Supplied VARCHAR(50), Item_Price INT, City VARCHAR(50) );
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INSERT INTO Supplier VALUES ('S1', 'Suresh', 'Keyboard', 400, 'Hyderabad'), ('S2', 'Kiran',  
'Processor', 8000, 'Delhi'), ('S3', 'Mohan', 'Mouse', 350, 'Delhi'), ('S4', 'Ramesh', 'Processor', 9000,  
'Bangalore'), ('S5', 'Manish', 'Printer', 6000, 'Mumbai');
```

1. SELECT Sup_No, Sup_Name FROM Supplier WHERE Sup_Name LIKE 'R%';
2. SELECT Sup_Name FROM Supplier WHERE Item_Supplied = 'Processor' AND City = 'Delhi';
3. SELECT Sup_Name FROM Supplier WHERE Item_Supplied = (SELECT Item_Supplied FROM Supplier WHERE Sup_Name = 'Ramesh');
4. UPDATE Supplier SET Item_Price = Item_Price + 200 WHERE Item_Supplied = 'Keyboard';
5. SELECT Sup_No, Sup_Name, Item_Price FROM Supplier WHERE City = 'Delhi' ORDER BY Item_Price ASC;
6. ALTER TABLE Supplier ADD ContactNo VARCHAR(15);
7. CREATE VIEW Supplier_View AS SELECT Sup_No, Sup_Name FROM Supplier;

EMPLOYEE DETAILS TABLE

```
CREATE TABLE EmpDetails ( Eid VARCHAR(5) PRIMARY KEY, Ename VARCHAR(50), DOB  
DATE, Designation VARCHAR(50), Salary INT, DOJ DATE );
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1. SELECT * FROM EmpDetails WHERE Designation = 'Programmer';
2. SELECT * FROM EmpDetails WHERE DOJ > '2014-12-31';
3. SELECT * FROM EmpDetails WHERE Ename LIKE '%a';
4. SELECT SUM(Salary) AS Total_Salary FROM EmpDetails WHERE Designation = 'Programmer';
5. SELECT * FROM EmpDetails WHERE DOJ = (SELECT MIN(DOJ) FROM EmpDetails);
6. UPDATE EmpDetails SET Salary = Salary + 5000 WHERE Designation = 'DBA';

EMPLOYEE TABLE (with constraints)

```
CREATE TABLE Employee ( Eid INT PRIMARY KEY, Ename VARCHAR(50), Designation  
VARCHAR(50), Salary INT CHECK (Salary > 10000), DOJ DATE );
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1. SELECT Eid, Ename FROM Employee;
2. SELECT * FROM Employee ORDER BY Salary DESC;
3. SELECT * FROM Employee WHERE YEAR(DOJ) = 2011;
4. SELECT * FROM Employee WHERE Salary BETWEEN 30000 AND 45000;
5. CREATE VIEW Employee_View AS SELECT * FROM Employee;
6. UPDATE Employee SET Salary = Salary + 3000;
7. SELECT * FROM Employee WHERE Ename LIKE '%k';

STUDENT TABLE

CREATE TABLE Student (Sid INT PRIMARY KEY, Sname VARCHAR(50), DOB DATE, State VARCHAR(50), Gender CHAR(1), Category VARCHAR(20), Course VARCHAR(20));

1. SELECT Sid, Sname FROM Student;
2. ALTER TABLE Student ADD ContactNo VARCHAR(15), ADD Email VARCHAR(50);
3. SELECT * FROM Student WHERE State NOT IN ('Telangana', 'AndhraPradesh');
4. UPDATE Student SET Course = 'UpdatedCourse' WHERE Sid = 1004;
5. CREATE VIEW Student_View AS SELECT * FROM Student;
6. SELECT * FROM Student WHERE Sname LIKE '%p';
7. SELECT * FROM Student ORDER BY Sname DESC;