

MS SQL SERVER / MYSQL / INSTALLATION / CRUD

Difference in SQL, mySQL, SQL Server

1. SQL (Structured Query Language)

- **Definition:** A **standard language** used to interact with relational databases.
- **Purpose:** Allows users to perform **CRUD operations** (Create, Read, Update, Delete) and other queries.
- **Standardisation:** SQL is a language standard defined by ISO, so most relational databases use similar syntax for basic commands, though each database may extend it differently.

2. MySQL

- **Definition:** An **open-source relational database management system (RDBMS)** developed by Oracle Corporation, commonly used with web applications.
- **Compatibility:** Works well with web technologies like PHP and is often part of the **LAMP stack** (Linux, Apache, MySQL, PHP).
- **Key Features:**
 - **Cross-platform support:** Runs on Windows, Linux, and macOS.
 - **Storage Engines:** Supports multiple storage engines (e.g., InnoDB, MyISAM).
 - **Community and Enterprise Versions:** MySQL has both free (Community) and paid (Enterprise) versions, with Enterprise offering additional features.
- **Use Cases:** Web applications, content management systems (CMS), and small-to-medium businesses due to its ease of setup and performance.

3. SQL Server

- **Definition:** A **relational database management system (RDBMS)** developed by Microsoft, known for its integration with Windows and other Microsoft products.
- **Compatibility:** Works well with Windows Server and is often integrated with the **.NET framework**.
- **Key Features:**

- **Comprehensive Security:** Advanced security features, including row-level security, transparent data encryption, and auditing.
- **SSIS, SSAS, SSRS:** Comes with tools for data integration (SSIS), analysis (SSAS), and reporting (SSRS).
- **Data Warehouse Support:** SQL Server includes features to support data warehousing and business intelligence.
- **Use Cases:** Enterprise applications, especially in Windows environments where advanced security, data integration, and analytical capabilities are needed.

SQL

SQL (Structured Query Language) is a standardised language used to interact with relational databases. It allows users to perform CRUD operations (Create, Read, Update, Delete) and complex data manipulations through queries. SQL is essential for managing and querying structured data.

Bulk Insert in SQL

Bulk Insert is a feature used to import large volumes of data into a database table from external files (like CSV or text files) quickly. Bulk inserts are efficient for data migration or loading data into a data warehouse, as they process large amounts of data in a single operation rather than multiple individual inserts.

```
BULK INSERT TableName
FROM 'file_path'
WITH (
    FIELDTERMINATOR = ',',
    ROWTERMINATOR = '\n',
    FIRSTROW = 2
);
```

MySQL

MySQL is an open-source relational database management system (RDBMS) widely used for web applications. Known for its ease of use and speed, MySQL supports SQL and is often employed in LAMP stacks (Linux, Apache, MySQL, PHP/Python/Perl).

Basic Queries (CRUD):

- Create: INSERT INTO table (column1, column2) VALUES (value1, value2);
- Read: SELECT * FROM table WHERE condition;

- Update: UPDATE table SET column1 = value1 WHERE condition;
- Delete: DELETE FROM table WHERE condition;

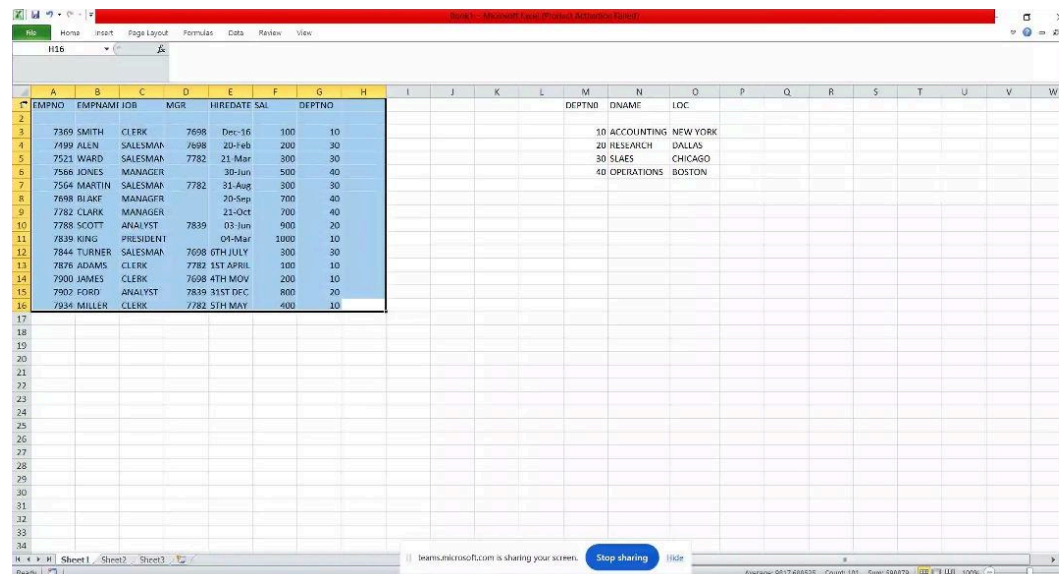
MS SQL (Microsoft SQL Server)

MS SQL Server is a relational database management system developed by Microsoft, often used in enterprise environments. It provides tools for advanced analytics, data integration, and business intelligence.

Basic Queries (CRUD):

- Create: INSERT INTO table (column1, column2) VALUES (value1, value2);
- Read: SELECT * FROM table WHERE condition;
- Update: UPDATE table SET column1 = value1 WHERE condition;
- Delete: DELETE FROM table WHERE condition;

CLASS TASK : CREATE A TABLE FOR EMPLOYEES BASED ON A EXCEL SHEET



EMPNO	EMPNAME	JOB	MGR	HIREDATE	SAL	DEPTNO	DEPTNO	DNAME	LOC
7369	SMITH	CLERK	7698	Dec-16	100	10	10	ACCOUNTING	NEW YORK
7499	ALLEN	SALESMAN	7698	20-Feb	200	30	20	RESEARCH	DALLAS
7521	WARD	SALESMAN	7782	21-Mar	800	30	30	SALES	CHICAGO
7566	JONES	MANAGER		30-Jun	500	40	40	OPERATIONS	BOSTON
7564	MARTIN	SALESMAN	7782	31-Aug	300	30			
7698	BLAKE	MANAGER		30-Sep	700	40			
7782	CLARK	MANAGER		23-Oct	700	40			
7788	SCOTT	ANALYST	7839	03-Jun	900	20			
7839	KING	PRESIDENT		01-Mar	1000	10			
7844	TURNER	SALESMAN	7698	08-JULY	300	30			
7876	ADAMS	CLERK	7782	15T APRIL	100	10			
7900	JAMES	CLERK	7698	4TH NOV	200	10			
7902	FORD	ANALYST	7839	31ST DEC	800	20			
7934	MILLER	CLERK	7782	5TH MAY	400	10			

```
CREATE TABLE Employee (  
  Id INT AUTO_INCREMENT PRIMARY KEY,  
  EMPNO INT UNIQUE,  
  ENAME VARCHAR(50),  
  JOB VARCHAR(50),  
  MGR INT,  
  HIREDATE DATE,  
  SAL INT,  
  DEPTNO INT  
);
```

```
INSERT INTO Employee (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, DEPTNO) VALUES  
(7369, 'SMITH', 'CLERK', 7698, '2016-12-16', 100, 10),  
(7499, 'ALLEN', 'SALESMAN', 7698, '2023-02-20', 200, 30),  
(7521, 'WARD', 'SALESMAN', 7782, '2023-03-21', 300, 30),  
(7566, 'JONES', 'MANAGER', NULL, '2023-06-30', 500, 40),  
(7654, 'MARTIN', 'SALESMAN', 7782, '2023-08-31', 300, 30),  
(7698, 'BLAKE', 'MANAGER', NULL, '2023-09-20', 700, 40),  
(7782, 'CLARK', 'MANAGER', NULL, '2023-10-21', 700, 40),  
(7788, 'SCOTT', 'ANALYST', 7839, '2023-06-03', 900, 20),  
(7839, 'KING', 'PRESIDENT', NULL, '2023-03-04', 1000, 10),  
(7844, 'TURNER', 'SALESMAN', 7698, '2023-07-06', 300, 30),  
(7876, 'ADAMS', 'CLERK', 7782, '2023-04-01', 100, 10),  
(7900, 'JAMES', 'CLERK', 7698, '2023-11-04', 200, 10),  
(7902, 'FORD', 'ANALYST', 7839, '2023-12-31', 800, 20),  
(7934, 'MILLER', 'CLERK', 7782, '2023-05-05', 400, 10);
```

```
SELECT * FROM Employee;
```

```
CREATE TABLE Department (  
  Id INT AUTO_INCREMENT PRIMARY KEY,  
  DEPTNO INT UNIQUE,  
  DNAME VARCHAR(50),  
  LOC VARCHAR(50)  
);
```

```
INSERT INTO Department (DEPTNO, DNAME, LOC) VALUES  
(10, 'ACCOUNTING', 'NEW YORK'),  
(20, 'RESEARCH', 'DALLAS'),  
(30, 'SALES', 'CHICAGO'),  
(40, 'OPERATIONS', 'BOSTON');
```

```
select * from department;
```

SOME HANDS ON PRACTICE

- Some questions were provided for hands-on practice.
- Expected to run on both SQL SERVER and MySQL.

```
CREATE TABLE Department (  
  Id INT IDENTITY(1,1) PRIMARY KEY,  
  DEPTNO INT UNIQUE NOT NULL,  
  DNAME VARCHAR(50),  
  LOC VARCHAR(50)  
);  
  
INSERT INTO Department (DEPTNO, DNAME, LOC) VALUES  
(10, 'ACCOUNTING', 'NEW YORK'),  
(20, 'RESEARCH', 'DALLAS'),  
(30, 'SALES', 'CHICAGO'),  
(40, 'OPERATIONS', 'BOSTON');  
  
--SELECT * FROM Department;  
  
CREATE TABLE Employee (  
  Id INT IDENTITY(1,1) PRIMARY KEY,  
  EMPNO INT UNIQUE NOT NULL,  
  ENAME VARCHAR(50),  
  JOB VARCHAR(50),  
  MGR INT,  
  HIREDATE DATE,  
  SAL INT,  
  DEPTNO INT,  
  constraint FK_Employee_Department FOREIGN KEY (DEPTNO) REFERENCES Department(DEPTNO)  
);  
  
INSERT INTO Employee (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, DEPTNO) VALUES  
(7369, 'SMITH', 'CLERK', 7698, '2016-12-16', 100, 10),  
(7499, 'ALLEN', 'SALESMAN', 7698, '2023-02-20', 200, 30),
```

```
(7521, 'WARD', 'SALESMAN', 7782, '2023-03-21', 300, 30),  
(7566, 'JONES', 'MANAGER', NULL, '2023-06-30', 500, 40),  
(7654, 'MARTIN', 'SALESMAN', 7782, '2023-08-31', 300, 30),  
(7698, 'BLAKE', 'MANAGER', NULL, '2023-09-20', 700, 40),  
(7782, 'CLARK', 'MANAGER', NULL, '2023-10-21', 700, 40),  
(7788, 'SCOTT', 'ANALYST', 7839, '2023-06-03', 900, 20),  
(7839, 'KING', 'PRESIDENT', NULL, '2023-03-04', 1000, 10),  
(7844, 'TURNER', 'SALESMAN', 7698, '2023-07-06', 300, 30),  
(7876, 'ADAMS', 'CLERK', 7782, '2023-04-01', 100, 10),  
(7900, 'JAMES', 'CLERK', 7698, '2023-11-04', 200, 10),  
(7902, 'FORD', 'ANALYST', 7839, '2023-12-31', 800, 20),  
(7934, 'MILLER', 'CLERK', 7782, '2023-05-05', 400, 10);
```

```
--SELECT * FROM Employee;
```

TASKS

- Storing Data in a Table
- Updating Data in a Table
- Deleting Data from a Table
- Retrieving Specific Attributes
- Retrieving Selected Rows
- Filtering Data:WHERE Clauses
- Filtering Data:IN,DISTINCT,AND,OR,IN,BETWEEN,LIKE,Column & table aliases

Display all the information of the EMP table?

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar indicates the file is 'SQLQuery1.sql' in the database 'DEEP-TUF-FX504\SQLEXPRESS.HexawareDB1'. The Object Explorer on the left shows the database structure, with 'HexawareDB1' selected. The main query window contains the following SQL code:

```
38 --(7844, 'TURNER', 'SALESMAN', 7698, '2023-07-06', 300, 30),
39 --(7876, 'ADAMS', 'CLERK', 7782, '2023-04-01', 100, 10),
40 --(7900, 'JAMES', 'CLERK', 7698, '2023-11-04', 200, 10),
41 --(7902, 'FORD', 'ANALYST', 7839, '2023-12-31', 800, 20),
42 --(7934, 'MILLER', 'CLERK', 7782, '2023-05-05', 400, 10);
43
44 --SELECT * FROM Employee;
45
46 select * from employee;
```

The query results are displayed in the 'Results' pane below the query editor. The results show 14 rows of data from the 'EMP' table. The columns are: Id, EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, and DEPTNO. The status bar at the bottom indicates 'Query executed successfully.' and '14 rows'.

	Id	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO
1	1	7369	SMITH	CLERK	7698	2016-12-16	100	10
2	2	7499	ALLEN	SALESMAN	7698	2023-02-20	200	30
3	3	7521	WARD	SALESMAN	7782	2023-03-21	300	30
4	4	7566	JONES	MANAGER	NULL	2023-06-30	500	40
5	5	7654	MARTIN	SALESMAN	7782	2023-08-31	300	30
6	6	7698	BLAKE	MANAGER	NULL	2023-09-20	700	40
7	7	7782	CLARK	MANAGER	NULL	2023-10-21	700	40
8	8	7788	SCOTT	ANALYST	7839	2023-06-03	900	20
9	9	7839	KING	PRESIDENT	NULL	2023-03-04	1000	10
10	1...	7844	TURN...	SALESMAN	7698	2023-07-06	300	30
11	1...	7876	ADAMS	CLERK	7782	2023-04-01	100	10
12	1...	7900	JAMES	CLERK	7698	2023-11-04	200	10
13	1...	7902	FORD	ANALYST	7839	2023-12-31	800	20
14	1...	7934	MILLER	CLERK	7782	2023-05-05	400	10

Display unique Jobs from EMP table?

SQLQuery1.sql - DE...-FX504\deeps (74))*

```
38 --(7844, 'TURNER', 'SALESMAN', 7698, '2023-07-06', 300, 30),
39 --(7876, 'ADAMS', 'CLERK', 7782, '2023-04-01', 100, 10),
40 --(7900, 'JAMES', 'CLERK', 7698, '2023-11-04', 200, 10),
41 --(7902, 'FORD', 'ANALYST', 7839, '2023-12-31', 800, 20),
42 --(7934, 'MILLER', 'CLERK', 7782, '2023-05-05', 400, 10);
43
44 --SELECT * FROM Employee;
45
46 --select * from employee;
47
48 select distinct Job from Employee;
```

110 %

Results Messages

	Job
1	ANALYST
2	CLERK
3	MANAGER
4	PRESIDENT
5	SALESMAN

Query executed successfully. DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 5 rows

List the emps in the asc order of their Salaries?

SQLQuery1.sql - DE...-FX504\deeps (74)*

```
41 --(7902, 'FORD', 'ANALYST', 7839, '2023-12-31', 800, 20),
42 --(7934, 'MILLER', 'CLERK', 7782, '2023-05-05', 400, 10);
43
44 --SELECT * FROM Employee;
45
46 --select * from employee;
47
48 --select distinct Job from Employee;
49
50 select * from employee order by sal asc
```

110 %

Results Messages

	Id	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO
1	1	7369	SMITH	CLERK	7698	2016-12-16	100	10
2	11	7876	ADAMS	CLERK	7782	2023-04-01	100	10
3	12	7900	JAMES	CLERK	7698	2023-11-04	200	10
4	2	7499	ALLEN	SALESMAN	7698	2023-02-20	200	30
5	3	7521	WARD	SALESMAN	7782	2023-03-21	300	30
6	5	7654	MARTIN	SALESMAN	7782	2023-08-31	300	30
7	10	7844	TURNER	SALESMAN	7698	2023-07-06	300	30
8	14	7934	MILLER	CLERK	7782	2023-05-05	400	10
9	4	7566	JONES	MANAGER	NULL	2023-06-30	500	40
10	6	7698	BLAKE	MANAGER	NULL	2023-09-20	700	40
11	7	7782	CLARK	MANAGER	NULL	2023-10-21	700	40
12	13	7902	FORD	ANALYST	7839	2023-12-31	800	20
13	8	7788	SCOTT	ANALYST	7839	2023-06-03	900	20
14	9	7839	KING	PRESIDENT	NULL	2023-03-04	1000	10

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 14 rows

List the details of the emps in asc order of the Dptnos and desc of Jobs?

SQLQuery1.sql - DE...-FX504\deeps (74))*

```
41 --(7902, 'FORD', 'ANALYST', 7839, '2023-12-31', 800, 20),
42 --(7934, 'MILLER', 'CLERK', 7782, '2023-05-05', 400, 10);
43
44 --SELECT * FROM Employee;
45
46 --select * from employee;
47
48 --select distinct Job from Employee;
49
50 --select * from employee order by sal asc
51
52 select * from employee order by deptno asc, job desc;
```

110 %

Results Messages

	Id	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO
1	9	7839	KING	PRESIDENT	NULL	2023-03-04	1000	10
2	1	7369	SMITH	CLERK	7698	2016-12-16	100	10
3	11	7876	ADAMS	CLERK	7782	2023-04-01	100	10
4	12	7900	JAMES	CLERK	7698	2023-11-04	200	10
5	14	7934	MILLER	CLERK	7782	2023-05-05	400	10
6	8	7788	SCOTT	ANALYST	7839	2023-06-03	900	20
7	13	7902	FORD	ANALYST	7839	2023-12-31	800	20
8	2	7499	ALLEN	SALESMAN	7698	2023-02-20	200	30
9	3	7521	WARD	SALESMAN	7782	2023-03-21	300	30
10	10	7844	TURNER	SALESMAN	7698	2023-07-06	300	30
11	5	7654	MARTIN	SALESMAN	7782	2023-08-31	300	30
12	6	7698	BLAKE	MANAGER	NULL	2023-09-20	700	40
13	7	7782	CLARK	MANAGER	NULL	2023-10-21	700	40
14	4	7566	JONES	MANAGER	NULL	2023-06-30	500	40

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 14 rows

Display all the details of all 'Mgrs'

SQLQuery1.sql - DE...-FX504\deeps (74))*

44

--SELECT * FROM Employee;

45

46

--select * from employee;

47

48

--select distinct Job from Employee;

49

50

--select * from employee order by sal asc

51

52

--select * from employee order by deptno asc, job desc;

53

54

select * from Employee where Job = 'MANAGER';

110 %

Results Messages

	Id	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO
1	4	7566	JONES	MANAGER	NULL	2023-06-30	500	40
2	6	7698	BLAKE	MANAGER	NULL	2023-09-20	700	40
3	7	7782	CLARK	MANAGER	NULL	2023-10-21	700	40

✓

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (...)

DEEP-TUF-FX504\deeps (74)

HexawareDB1

00:00:00

3 rows

Display the Empno, Ename, job, Hiredate, Exp of all Mgrs

SQLQuery1.sql - DE...-FX504\deeps (74))*

```
50 --select * from employee order by sal asc
51
52 --select * from employee order by deptno asc, job desc;
53
54 --select * from Employee where Job = 'MANAGER';
55
56 SELECT EMPNO, ENAME, JOB, HIREDATE, DATEDIFF(YEAR, HIREDATE, GETDATE()) AS Exp
57 FROM Employee
58 WHERE JOB = 'MANAGER';
59
```

110 %

Results Messages

	EMPNO	ENAME	JOB	HIREDATE	Exp
1	7566	JONES	MANAGER	2023-06-30	1
2	7698	BLAKE	MANAGER	2023-09-20	1
3	7782	CLARK	MANAGER	2023-10-21	1

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 3 rows

List the emps in the asc order of Designations of those joined after the second half of 1981.

SQLQuery1.sql - DE...-FX504\deeps (74))*

```
53
54 --select * from Employee where Job = 'MANAGER';
55
56 --SELECT EMPNO, ENAME, JOB, HIREDATE, DATEDIFF(YEAR, HIREDATE, GETDATE()) AS Exp
57 --FROM Employee
58 --WHERE JOB = 'MANAGER';
59
60 SELECT EMPNO, ENAME, JOB, HIREDATE
61 FROM Employee
62 WHERE HIREDATE > '1981-06-30'
63 ORDER BY JOB ASC;
64
65
```

110 %

Results Messages

	EMPNO	ENAME	JOB	HIREDATE
1	7788	SCOTT	ANALYST	2023-06-03
2	7902	FORD	ANALYST	2023-12-31
3	7934	MILLER	CLERK	2023-05-05
4	7876	ADAMS	CLERK	2023-04-01
5	7900	JAMES	CLERK	2023-11-04
6	7369	SMITH	CLERK	2016-12-16
7	7566	JONES	MANAGER	2023-06-30
8	7698	BLAKE	MANAGER	2023-09-20
9	7782	CLARK	MANAGER	2023-10-21
10	7839	KING	PRESIDENT	2023-03-04
11	7844	TURNER	SALESMAN	2023-07-06
12	7654	MARTIN	SALESMAN	2023-08-31
13	7499	ALLEN	SALESMAN	2023-02-20
14	7521	WARD	SALESMAN	2023-03-21

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 14 rows

List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.

SQLQuery1.sql - DE...-FX504\deeps (74))*

```
56 --SELECT EMPNO, ENAME, JOB, HIREDATE, DATEDIFF(YEAR, HIREDATE, GETDATE()) AS Exp
57 --FROM Employee
58 --WHERE JOB = 'MANAGER';
59
60 --SELECT EMPNO, ENAME, JOB, HIREDATE
61 --FROM Employee
62 --WHERE HIREDATE > '1981-06-30'
63 --ORDER BY JOB ASC;
64
65 SELECT EMPNO, ENAME, JOB, HIREDATE
66 FROM Employee
67 WHERE JOB IN ('CLERK', 'ANALYST')
68 ORDER BY JOB DESC;
69
```

110 %

Results Messages

	EMPNO	ENAME	JOB	HIREDATE
1	7369	SMITH	CLERK	2016-12-16
2	7876	ADAMS	CLERK	2023-04-01
3	7900	JAMES	CLERK	2023-11-04
4	7934	MILLER	CLERK	2023-05-05
5	7902	FORD	ANALYST	2023-12-31
6	7788	SCOTT	ANALYST	2023-06-03

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 6 rows

List the emp who are working for the Deptno 10 or 20.

SQLQuery1.sql - DE...-FX504\deeps (74))*

```
66 --FROM Employee
67 --WHERE JOB IN ('CLERK', 'ANALYST')
68 --ORDER BY JOB DESC;
69
70 SELECT EMPNO, ENAME, JOB, DEPTNO FROM Employee WHERE DEPTNO = 10 OR DEPTNO = 20;
71
```

110 %

Results Messages

	EMPNO	ENAME	JOB	DEPTNO
1	7369	SMITH	CLERK	10
2	7788	SCOTT	ANALYST	20
3	7839	KING	PRESIDENT	10
4	7876	ADAMS	CLERK	10
5	7900	JAMES	CLERK	10
6	7902	FORD	ANALYST	20
7	7934	MILLER	CLERK	10

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 7 rows

List the emps Who Annual sal ranging from 5000 and 14000.

SQLQuery1.sql - DE...-FX504\deeps (74)*

```
66 --FROM Employee
67 --WHERE JOB IN ('CLERK', 'ANALYST')
68 --ORDER BY JOB DESC;
69
70 --SELECT EMPNO, ENAME, JOB, DEPTNO FROM Employee WHERE DEPTNO = 10 OR DEPTNO = 20;
71
72 SELECT EMPNO, ENAME, JOB, DEPTNO, SAL * 12 AS Annual_Salary
73 FROM Employee
74 WHERE SAL * 12 BETWEEN 5000 AND 14000;
75
```

110 %

Results Messages

	EMPNO	ENAME	JOB	DEPTNO	Annual_Salary
1	7566	JONES	MANAGER	40	6000
2	7698	BLAKE	MANAGER	40	8400
3	7782	CLARK	MANAGER	40	8400
4	7788	SCOTT	ANALYST	20	10800
5	7839	KING	PRESIDENT	10	12000
6	7902	FORD	ANALYST	20	9600

Query executed successfully. DEEP-TUF-FX504\SQLEXPRESS (...) DEEP-TUF-FX504\deeps (74) HexawareDB1 00:00:00 6 rows

List the Enames those are starting with 'S' and with five characters.

SQLQuery1.sql - DE...-FX504\deeps (74))*

```
69
70 --SELECT EMPNO, ENAME, JOB, DEPTNO FROM Employee WHERE DEPTNO = 10 OR DEPTNO = 20;
71
72 --SELECT EMPNO, ENAME, JOB, DEPTNO, SAL * 12 AS Annual_Salary
73 --FROM Employee
74 --WHERE SAL * 12 BETWEEN 5000 AND 14000;
75
76 SELECT ENAME
77 FROM Employee
78 WHERE ENAME LIKE 'S%' AND LEN(ENAME) = 5;
79
80
```

110 %

Results Messages

	ENAME
1	SMITH
2	SCOTT

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 2 rows

List the total information of EMP table along with DNAME and Loc of all the emps Working Under 'ACCOUNTING' & 'RESEARCH' in the asc Deptno.

SQLQuery1.sql - DE...-FX504\deeps (74))* ✕

```
72 --SELECT EMPNO, ENAME, JOB, DEPTNO, SAL * 12 AS Annual_Salary
73 --FROM Employee
74 --WHERE SAL * 12 BETWEEN 5000 AND 14000;
75
76 --SELECT ENAME
77 --FROM Employee
78 --WHERE ENAME LIKE 'S%' AND LEN(ENAME) = 5;
79
80 SELECT e.*, d.DNAME, d.LOC
81 FROM Employee e
82 JOIN Department d ON e.DEPTNO = d.DEPTNO
83 WHERE d.DNAME IN ('ACCOUNTING', 'RESEARCH')
84 ORDER BY e.DEPTNO ASC;
85
```

110 %

Results Messages

	Id	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO	DNAME	LOC
1	9	7839	KING	PRESIDENT	NULL	2023-03-04	1000	10	ACCOUNTING	NEW YORK
2	11	7876	ADAMS	CLERK	7782	2023-04-01	100	10	ACCOUNTING	NEW YORK
3	12	7900	JAMES	CLERK	7698	2023-11-04	200	10	ACCOUNTING	NEW YORK
4	1	7369	SMITH	CLERK	7698	2016-12-16	100	10	ACCOUNTING	NEW YORK
5	14	7934	MILLER	CLERK	7782	2023-05-05	400	10	ACCOUNTING	NEW YORK
6	8	7788	SCOTT	ANALYST	7839	2023-06-03	900	20	RESEARCH	DALLAS
7	13	7902	FORD	ANALYST	7839	2023-12-31	800	20	RESEARCH	DALLAS

Query executed successfully.

DEEP-TUF-FX504\SQLEXPRESS (... | DEEP-TUF-FX504\deeps (74) | HexawareDB1 | 00:00:00 | 7 rows