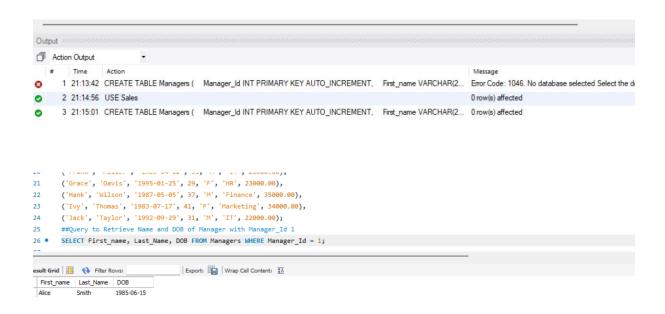
## **SQL ASSIGNMENT 3**

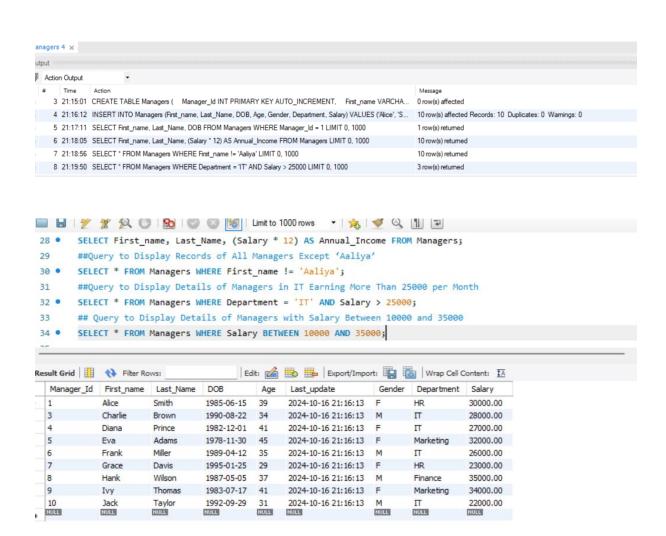
```
□ □ □ | \( \frac{\psi}{2} \) \( \frac{\psi}{2} \) \( \Q \) | \
                                    ##Create the Managers Table
         1
         2 • USE Sales;
         3 ● ⊖ CREATE TABLE Managers (
                                                     Manager_Id INT PRIMARY KEY AUTO_INCREMENT,
         4
                                                       First_name VARCHAR(255) NOT NULL,
          5
           6
                                                       Last_Name VARCHAR(255) NOT NULL,
                                                   DOB DATE NOT NULL,
                                                    Age INT CHECK (Age >= 0),
         8
         9
                                                    Last_update TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
      10
                                                        Gender CHAR(1) CHECK (Gender IN ('M', 'F')),
                                                        Department VARCHAR(255) NOT NULL,
      11
      12
                                                        Salary DECIMAL(10, 2) NOT NULL);
      13
```

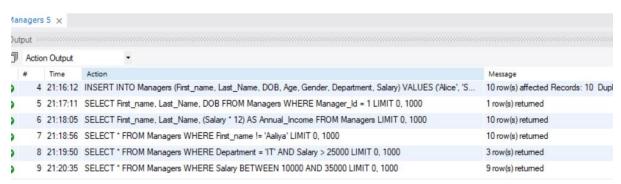




```
2
        ('Hank', 'Wilson', '1987-05-05', 37, 'M', 'Finance', 35000.00),
        ('Ivy', 'Thomas', '1983-07-17', 41, 'F', 'Marketing', 34000.00),
3
        ('Jack', 'Taylor', '1992-09-29', 31, 'M', 'IT', 22000.00);
4
        ##Query to Retrieve Name and DOB of Manager with Manager_Id 1
6 •
       SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1;
        ##Query to Display Annual Income of All Managers
8 •
     SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers;
                                                Export: Wrap Cell Content: IA
First_name Last_Name Annual_Income
Alice
             Smith
                          360000.00
             Johnson 480000.00
Bob
                          336000.00
Charlie
             Brown
Diana
            Prince
                         324000.00
Eva
             Adams
                          384000.00
Frank
           Miller
                         312000.00
Grace
             Davis
                          276000.00
Hank
            Wilson
                         420000.00
             Thomas
                          408000.00
Jack
            Taylor
                         264000.00
ult 2 ×
but 3
 Action Output
    Time
                                                                                                                      Message
   1 21:13:42 CREATE TABLE Managers ( Manager_ld INT PRIMARY KEY AUTO_INCREMENT, First_name VARCHAR(... Error Code: 1046. No database selected Select the def
2 21:14:56 USE Sales
    3 21:15:01 CREATE TABLE Managers ( Manager_Id INT PRIMARY KEY AUTO_INCREMENT, First_name VARCHAR(... 0 row(s) affected
 4 21:16:12 INSERT INTO Managers (First_name, Last_Name, DOB, Age, Gender, Department, Salary) VALUES ('Alice', 'Smit... 10 row(s) affected Records: 10 Duplicates: 0 Warning
    5 21:17:11 SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_ld = 1 LIMIT 0, 1000
6 21:18:05 SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000
                                                                                                                     10 row(s) returned
   🚞 🖥 | 🚰 👰 👰 🔘 | 🚱 | ⊘ 🔞 🔞 | Limit to 1000 rows 💌 | ஜ | 🥩 🔍 🐧 🖃
           ('Jack', 'Taylor', '1992-09-29', 31, 'M', 'IT', 22000.00);
           ##Query to Retrieve Name and DOB of Manager with Manager_Id 1
    26 • SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_Id = 1;
           ##Query to Display Annual Income of All Man
   28 • SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers;
           ##Query to Display Records of All Managers Except 'Aaliya'
    30 • SELECT * FROM Managers WHERE First_name != 'Aaliya';
   | Edit: 🕍 📆 | Export/Import: 📳 🚳 | Wrap Cell Content: 🏗
                                                   2024-10-16 21:16:13
                                    1985-06-15
                Alice
                         Smith
                                                                           HR
                                                                                      30000.00
                Bob
                         Johnson
                                    1980-03-10 44
1990-08-22 34
                                                   2024-10-16 21:16:13 M
2024-10-16 21:16:13 M
                                                                                      40000 00
                Charlie
                         Brown
               Diana
                         Prince
                                    1982-12-01 41
                                                   2024-10-16 21:16:13 F
                                                                           IT
                                                                                      27000.00
                                   1978-11-30 45
1989-04-12 35
               Eva
Frank
                                                   2024-10-16 21:16:13
                                                                                      32000.00
                                                   2024-10-16 21:16:13 M IT
                                                                                      26000.00
                Grace
                         Davis
                                    1995-01-25
                                                   2024-10-16 21:16:13
                                                                           HR
                                                                                      23000.00
                                                   2024-10-16 21:16:13 M
2024-10-16 21:16:13 F
                                   1987-05-05 37
1983-07-17 41
                         Wilson
                                                                           Finance
M teting
                                                                                      35000.00
                                   1992-09-29 31 2024-10-16 21:16:13 M
                         Taylor
                                                                                      22000.00
  Output :
  Action Output
  2 21:14:56 USE Sales
                                                                                              0 mw(s) affected
       3 21:15:01 CREATE TABLE Managers ( Manager_Id INT PRIMARY KEY AUTO_INCREMENT, First_name VARCHA... 0 row(s) affected
  4 21:16:12 INSERT INTO Managers (First_name, Last_Name, DOB, Age, Gender, Department, Salary) VALUES ('Alice', 'S...
                                                                                              10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0
       5 21:17:11 SELECT First_name, Last_Name, DOB FROM Managers WHERE Manager_ld = 1 LIMIT 0, 1000
                                                                                              1 row(s) returned
  6 21:18:05 SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers LIMIT 0, 1000
                                                                                             10 row(s) returned
  7 21:18:56 SELECT * FROM Managers WHERE First_name != 'Aaliya' LIMIT 0, 1000
                                                                                              10 row(s) returned
```

```
26 • SELECT First name, Last Name, DOB FROM Managers WHERE Manager Id = 1;
27
      ##Query to Display Annual Income of All Managers
       SELECT First_name, Last_Name, (Salary * 12) AS Annual_Income FROM Managers;
       ##Ouery to Display Records of All Managers Except 'Aaliya
29
30 • SELECT * FROM Managers WHERE First_name != 'Aaliya';
31
        ##Query to Display Details of Managers in IT Earning More Than 25000 per Month
32 • SELECT * FROM Managers WHERE Department = 'IT' AND Salary > 25000;
                                     | Edit: 🕍 📆 | Export/Import: 📳 👸 | Wrap Cell Content: 🏗
tesult Grid 🔢 🙌 Filter Rows:
 Manager_Id First_name Last_Name
                                DOB
                                           Age Last_update
                                                                  Gender Department Salary
 3
            Charlie
                      Brown
                                 1990-08-22
                                          34
                                                 2024-10-16 21:16:13 M
                                                                          П
                                                                                     28000.00
                                1982-12-01 41 2024-10-16 21:16:13 F IT
                                                                                    27000.00
            Diana
                      Prince
                                1989-04-12 35 2024-10-16 21:16:13 M IT NULL NULL NULL NULL NULL
                                                                                    26000.00
```





## **Summary of Operations**

- Table Creation: The Managers table is created with necessary fields and constraints.
- Data Insertion: Ten rows of sample data are inserted.
- Queries: Various queries are constructed to retrieve specific information about managers based on different conditions.

These SQL commands will help you create and manage the Managers table effectively while performing the specified operations.