SQL Task 3

Scenario:- Create a table named Managers with fields : Manager_Id First_name Last_Name DOB Age ->Use check constraint Last_update Gender Department Salary -> NOT NULL

1. *Insert 10 rows.*

2. *Write a query that retrieves the name and date of birth of the manager with Manager_Id 1.*

3. *Write a query to display the annual income of all managers.*

4. *Write a query to display records of all managers except 'Aaliya'.*

5. *Write a query to display details of managers whose department is IT and earns more than 25000 per month.*

6. *Write a query to display details of managers whose salary is between 10000 and 35000*

--:Creating Managers table

```
CREATE TABLE Managers (

    Manager_Id INT PRIMARY KEY,

    First_Name VARCHAR(50),

    Last_Name VARCHAR(50),

    DOB DATE,

    Age INT CHECK (Age >= 18 AND Age <= 65),

    Last_Update DATE,

    Gender VARCHAR(10),

    Department VARCHAR(50) NOT NULL,

    Salary DECIMAL(10, 2) NOT NULL

);
```

```sql
--: Inserting 10 rows into the Managers table

INSERT INTO Managers (Manager_Id, First_Name, Last_Name, DOB, Age, Last_Update, Gender, Department, Salary) VALUES

(1, 'Raj', 'Sharma', '1985-03-12', 39, '2024-10-10', 'Male', 'Finance', 30000),

(2, 'Aaliya', 'Khan', '1990-07-15', 34, '2024-10-10', 'Female', 'IT', 35000),

(3, 'Vikas', 'Patel', '1988-09-21', 36, '2024-10-10', 'Male', 'HR', 25000),

(4, 'Pooja', 'Singh', '1987-05-25', 37, '2024-10-10', 'Female', 'IT', 40000),

(5, 'Suresh', 'Gupta', '1992-01-10', 32, '2024-10-10', 'Male', 'Operations', 28000),

(6, 'Neha', 'Chopra', '1989-08-19', 35, '2024-10-10', 'Female', 'Finance', 26000),

(7, 'Amit', 'Joshi', '1984-11-12', 40, '2024-10-10', 'Male', 'IT', 32000),

(8, 'Priya', 'Bose', '1991-02-17', 33, '2024-10-10', 'Female', 'HR', 22000),

(9, 'Ravi', 'Mehta', '1986-12-01', 37, '2024-10-10', 'Male', 'Marketing', 27000),

(10, 'Ankita', 'Verma', '1993-06-10', 31, '2024-10-10', 'Female', 'IT', 34000);


--: Query to retrieve the Name and DOB of the manager with manager id 1:
SELECT First_Name, Last_Name, DOB
FROM Managers
WHERE Manager_Id = 1;


--: Query to display the Annual Income of all managers
SELECT First_Name, Last_Name, (Salary * 12) AS Annual_Income
FROM Managers;
```

--: *Query to display records of All Managers except "Aaliya":*

SELECT *

FROM Managers

WHERE First_Name != 'Aaliya';

--: *Query to display records of managers in IT department and earning more than 25000*

SELECT *

FROM Managers

WHERE Department = 'IT'

 AND Salary > 25000;

--: *Query to display records of managers earning between 10000 and 35000*

SELECT *

FROM Managers

WHERE Salary BETWEEN 10000 AND 35000;