

TASK – 3

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

The screenshot shows the SQL Developer interface. On the left, the 'Schemas' pane displays a tree view of databases including 'bankdatabase', 'company', 'companydb', 'day2', 'india', 'joints', 'state', 'store', 'student', and 'student'. The 'company' database is selected. The main editor window shows the following SQL script:

```
1 • CREATE DATABASE company;
2 • USE company;
3
4 • CREATE TABLE managers (
5     Manager_Id INT PRIMARY KEY,
6     First_name VARCHAR(40) NOT NULL,
7     Last_Name VARCHAR(40) NOT NULL,
8     DOB DATE,
9     Age INT CHECK (Age >=18 AND Age <=65),
10    Last_update TIMESTAMP DEFAULT NOW() ON UPDATE NOW(),
11    Gender CHAR (1),
12    Department VARCHAR (80),
13    Salary DECIMAL (10,2) NOT NULL
14 );
```

Below the editor, the 'Output' pane shows the 'Action Output' table:

#	Time	Action	Message
✓ 1	17:59:26	CREATE DATABASE company	1 row(s) affected
✓ 2	17:59:31	USE company	0 row(s) affected
✓ 3	17:59:36	CREATE TABLE managers (Manager_Id INT PRIMA...	0 row(s) affected

1. INSERT 10 ROWS

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the 'SCHEMAS' pane shows the database structure, including the 'company' database and the 'managers' table. The 'managers' table structure is detailed in the 'Table: managers' section, showing columns: Manager_Id (int PK), First_name (varchar(40)), Last_name (varchar(40)), DOB (date), Age (int), Last_update (timestamp), Gender (char(1)), Department (varchar(80)), and Salary (decimal(10,2)).

The main window shows an SQL query editor with the following INSERT statement:

```
16 • INSERT INTO Managers (Manager_Id, First_name, Last_name, DOB, Age, Gender, Department, Salary)VALUES
17 (1, 'STEFFY', 'CHRISTI', '1988-02-29', 36, 'F', 'HR', 40000),
18 (2, 'AZAN', 'AHMED', '1980-06-03', 44, 'M', 'FINANCE', 85000),
19 (3, 'SREEKANTH', 'MANOJ', '1996-06-11', 27, 'M', 'IT', 20000),
20 (4, 'JOSEPH', 'DAVIN', '1996-12-28', 27, 'M', 'HR', 29000),
21 (5, 'AALIYA', 'NEMER', '1982-07-02', 41, 'F', 'ADMINISTRATION', 80000),
22 (6, 'AMAL', 'SAJEEV', '1977-01-11', 46, 'M', 'MARKETING', 89000),
23 (7, 'ATHIRA', 'PRADEEP', '2000-10-02', 24, 'F', 'IT', 22000),
24 (8, 'RIYA', 'JACOB', '1981-08-08', 40, 'F', 'PRODUCT MANAGER', 80000),
25 (9, 'MARIYAM', 'FATHI', '1992-01-22', 31, 'F', 'IT', 50000),
26 (10, 'IHAN', 'ANIL', '1983-01-14', 41, 'M', 'PROJECT MANAGER', 80000);
```

The 'Result Grid' shows the data inserted into the 'Managers' table:

Manager_Id	First_name	Last_name	DOB	Age	Last_update	Gender	Department	Salary
1	STEFFY	CHRISTI	1988-02-29	36	2024-05-21 19:04:21	F	HR	40000.00
2	AZAN	AHMED	1980-06-03	44	2024-05-21 19:04:21	M	FINANCE	85000.00
3	SREEKANTH	MANOJ	1996-06-11	27	2024-05-21 19:04:21	M	IT	20000.00
4	JOSEPH	DAVIN	1996-12-28	27	2024-05-21 19:04:21	M	HR	29000.00
5	AALIYA	NEMER	1982-07-02	41	2024-05-21 19:04:21	F	ADMINISTRATION	80000.00
6	AMAL	SAJEEV	1977-01-11	46	2024-05-21 19:04:21	M	MARKETING	89000.00
7	ATHIRA	PRADEEP	2000-10-02	24	2024-05-21 19:04:21	F	IT	22000.00
8	RIYA	JACOB	1981-08-08	40	2024-05-21 19:04:21	F	PRODUCT MANAGER	80000.00
9	MARIYAM	FATHI	1992-01-22	31	2024-05-21 19:04:21	F	IT	50000.00
10	IHAN	ANIL	1983-01-14	41	2024-05-21 19:04:21	M	PROJECT MANAGER	80000.00

The 'Output' pane shows the execution results:

#	Time	Action	Message
3	19:04:21	INSERT INTO Managers (Manager_Id, First_name, Last_name, DOB, Age, Gender, Department, Salary)/VA...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0
4	19:04:23	SELECT * FROM Managers LIMIT 0, 1000	10 row(s) returned

2. WRITE A QUERY THAT RETRIVES THE NAME AND DATE OF BIRTH OF THE MANAGER WITH Manager_Id 1.

The screenshot displays the SQL Server Enterprise Manager interface. The main window shows an SQL query editor with the following SELECT statement:

```
29
30 • SELECT First_name, Last_name, DOB
31 FROM Managers WHERE Manager_Id= 1;
32
```

The 'Result Grid' shows the data retrieved for Manager_Id 1:

First_name	Last_name	DOB
STEFFY	CHRISTI	1988-02-29

3. WRITE A QUERY TO DISPLAY THE ANNUAL INCOME OF ALL MANAGERS.

```
31
32 • SELECT First_name, Last_name, Salary * 12 AS LPA FROM Managers;
33
```

Result Grid			
Filter Rows: <input type="text"/>			
Export: Wrap Cell Content:			
	First_name	Last_name	LPA
▶	STEFFY	CHRISTI	480000.00
	AZAN	AHMED	1020000.00
	SREEKANTH	MANOJ	240000.00
	JOSEPH	DAVIN	348000.00
	AALIYA	NEMER	960000.00
	AMAL	SAJEEV	1068000.00
	ATHIRA	PRADEEP	264000.00
	RIYA	JACOB	960000.00
	MARIYAM	FATHI	600000.00
	IHAN	ANIL	960000.00

Result 4 ×

4. WRITE A QUERY TO DISPLAY RECORDS OF ALL MANAGERS EXCEPT 'AALIYA'.

```
34 • SELECT * FROM Managers WHERE First_name != 'AALIYA';
```

Result Grid									
Filter Rows: <input type="text"/>									
Edit: Export/Import: Wrap Cell Content:									
	Manager_Id	First_name	Last_Name	DOB	Age	Last_update	Gender	Department	Salary
▶	1	STEFFY	CHRISTI	1988-02-29	36	2024-05-21 19:04:21	F	HR	40000.00
	2	AZAN	AHMED	1980-06-03	44	2024-05-21 19:04:21	M	FINANCE	85000.00
	3	SREEKANTH	MANOJ	1996-06-11	27	2024-05-21 19:04:21	M	IT	20000.00
	4	JOSEPH	DAVIN	1996-12-28	27	2024-05-21 19:04:21	M	HR	29000.00
	6	AMAL	SAJEEV	1977-01-11	46	2024-05-21 19:04:21	M	MARKETING	89000.00
	7	ATHIRA	PRADEEP	2000-10-02	24	2024-05-21 19:04:21	F	IT	22000.00
	8	RIYA	JACOB	1981-08-08	40	2024-05-21 19:04:21	F	PRODUCT MANAGER	80000.00
	9	MARIYAM	FATHI	1992-01-22	31	2024-05-21 19:04:21	F	IT	50000.00
	10	IHAN	ANIL	1983-01-14	41	2024-05-21 19:04:21	M	PROJECT MANAGER	80000.00
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

5. WRITE A QUERY TO DISPLAY DETAILS OF MANAGERS WHOSE DEPARTMENT IS IT AND EARNS MORE THAN 25000 PER MONTH.

```
36 • SELECT * FROM Managers WHERE Salary>=25000 AND Department='IT';
```

<div> <div>Result Grid</div> <div> <div>Filter Rows:</div> <div>Edit:</div> <div>Export/Import:</div> <div>Wrap Cell Content:</div> </div> </div>										
	Manager_Id	First_name	Last_Name	DOB	Age	Last_update	Gender	Department	Salary	
▶	9	MARIYAM	FATHI	1992-01-22	31	2024-05-21 19:04:21	F	IT	50000.00	
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	

6.WRITE A QUERY TO DIPLAY DETAILS OF MANAGERS WHOSE SALARY IS BETWEEN 10000 AND 35000.

```
38 • SELECT * FROM Managers WHERE Salary>=10000 AND Salary<=35000;
```

[illegible]