ASSESMENT

```
CREATE DATABASE firstdb1;

use firstdb1;
```

1.Find the Second Highest Salary Problem: Given an `Employees` table with columns `EmployeeID`, `Name`, and `Salary`,find the second highest salary.

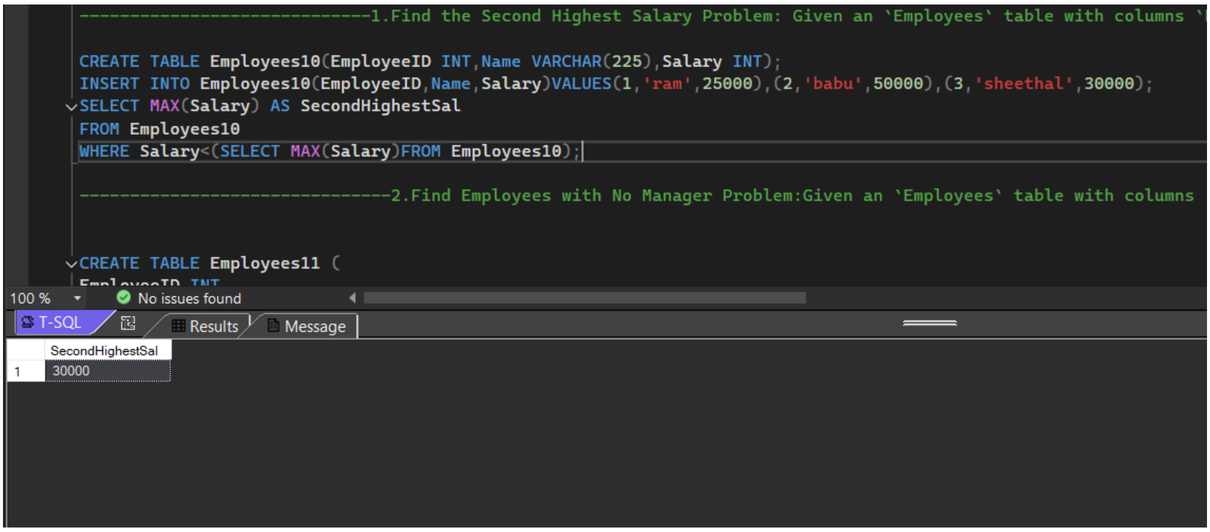
```
CREATE TABLE Employees10(EmployeeID INT,Name VARCHAR(225),Salary INT);

INSERT INTO
Employees10(EmployeeID,Name,Salary)VALUES(1,'ram',25000),(2,'babu',50000),(3,'sheethal',30000)
;

SELECT MAX(Salary)

FROM Employees10

WHERE Salary<(SELECT MAX(Salary)FROM Employees10);
```



```
----------------------------1.Find the Second Highest Salary Problem: Given an `Employees` table with columns `

CREATE TABLE Employees10(EmployeeID INT,Name VARCHAR(225),Salary INT);
INSERT INTO Employees10(EmployeeID,Name,Salary)VALUES(1,'ram',25000),(2,'babu',50000),(3,'sheethal',30000);
SELECT MAX(Salary) AS SecondHighestSal
FROM Employees10
WHERE Salary<(SELECT MAX(Salary)FROM Employees10);

-------------------------------2.Find Employees with No Manager Problem:Given an `Employees` table with columns


CREATE TABLE Employees11 (
EmployeeID INT
```

	SecondHighestSal
1	30000

2.Find Employees with No Manager Problem:Given an `Employees` table with columns `EmployeeID`, `Name`, and `ManagerID`(which refers to `EmployeeID` of the manager),find all eployees who do not have a manager.

```
CREATE TABLE Employees11 (

EmployeeID INT,
```

Name VARCHAR(100),

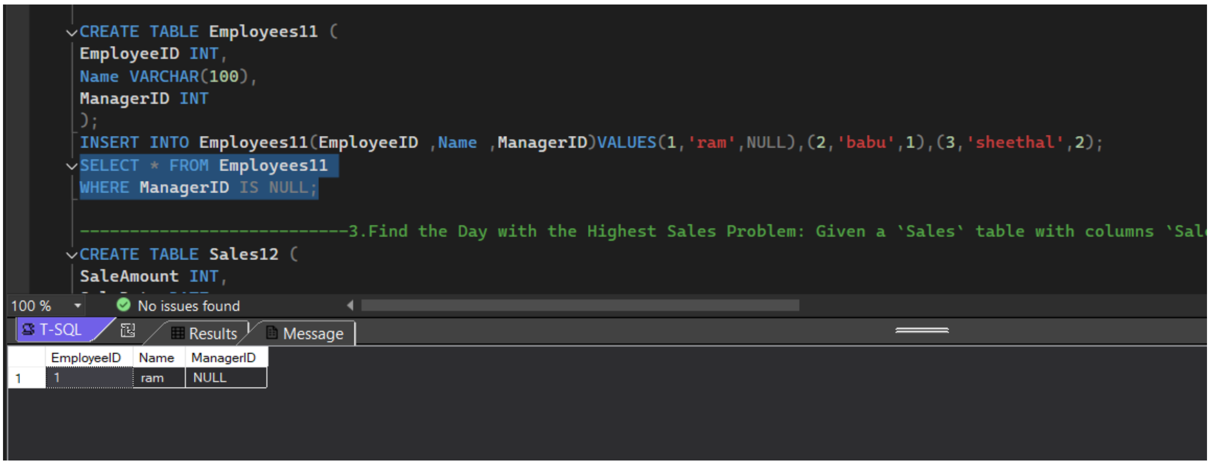
ManagerID INT

);

INSERT INTO Employees11(EmployeeID ,Name ,ManagerID)VALUES(1,'ram',NULL),(2,'babu',1),(3,'sheethal',2);

SELECT * FROM Employees11

WHERE ManagerID IS NULL;



```
CREATE TABLE Employees11 (
EmployeeID INT,
Name VARCHAR(100),
ManagerID INT
);
INSERT INTO Employees11(EmployeeID ,Name ,ManagerID)VALUES(1,'ram',NULL),(2,'babu',1),(3,'sheethal',2);
SELECT * FROM Employees11
WHERE ManagerID IS NULL;

---------------------------3.Find the Day with the Highest Sales Problem: Given a `Sales` table with columns `Sal
CREATE TABLE Sales12 (
SaleAmount INT,
```

	EmployeeID	Name	ManagerID
1	1	ram	NULL

3.Find the Day with the Highest Sales Problem: Given a `Sales` table with columns `SaleAmount` and `SaleDate`,find the day with the highest total sales.

CREATE TABLE Sales12 (

SaleAmount INT,

SaleDate DATE

);

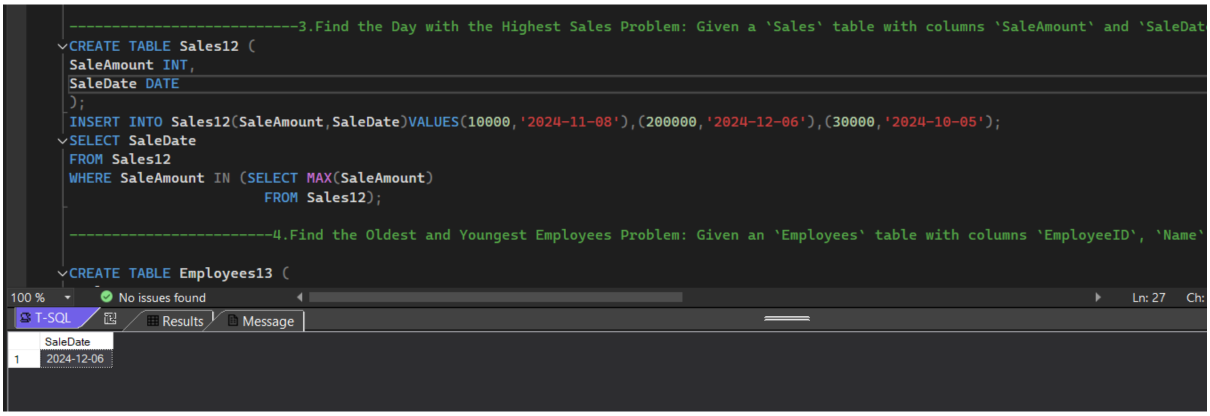
INSERT INTO Sales12(SaleAmount,SaleDate)VALUES(10000,'2024-11-08'),(200000,'2024-12-06'),(30000,'2024-10-05');

SELECT SaleDate

FROM Sales12

WHERE SaleAmount IN (SELECT MAX(SaleAmount)

FROM Sales12);



```
----------------------------3.Find the Day with the Highest Sales Problem: Given a `Sales` table with columns `SaleAmount` and `SaleDat
CREATE TABLE Sales12 (
SaleAmount INT,
SaleDate DATE
);
INSERT INTO Sales12(SaleAmount,SaleDate)VALUES(10000,'2024-11-08'),(200000,'2024-12-06'),(30000,'2024-10-05');
SELECT SaleDate
FROM Sales12
WHERE SaleAmount IN (SELECT MAX(SaleAmount)
                       FROM Sales12);

-----------------------4.Find the Oldest and Youngest Employees Problem: Given an `Employees` table with columns `EmployeeID`, `Name`

CREATE TABLE Employees13 (
```

```
   SaleDate
1  2024-12-06
```

4.Find the Oldest and Youngest Employees Problem: Given an `Employees` table with columns `EmployeeID`, `Name`, and `DateOfBirth`,find the oldest and youngest employees.

CREATE TABLE Employees13 (

EmployeeID INT,

Name VARCHAR(100),

DateOfBirth DATE

);

INSERT INTO Employees13(EmployeeID ,Name ,DateOfBirth)VALUES(1,'ram','2023-08-05'),(2,'babu','2020-05-05'),(3,'sheethal','2021-07-01');

SELECT Name

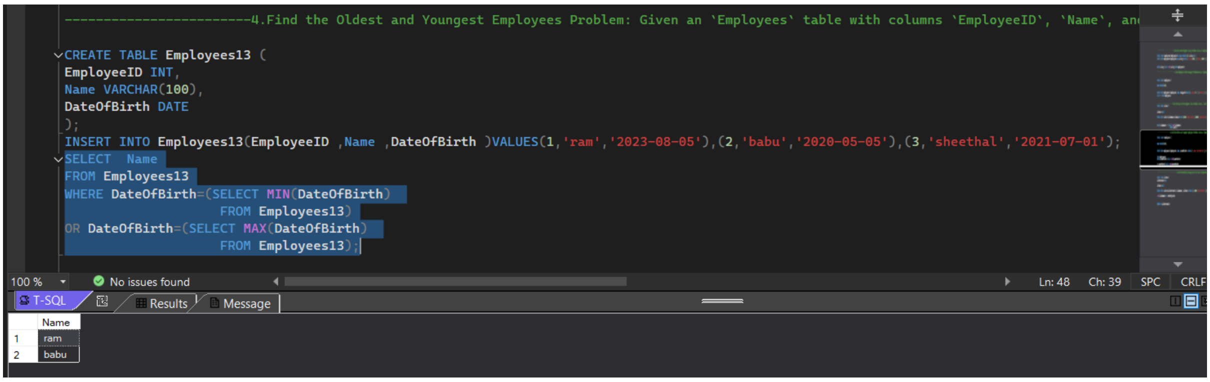
FROM Employees13

WHERE DateOfBirth=(SELECT MIN(DateOfBirth)

                FROM Employees13)

OR DateOfBirth=(SELECT MAX(DateOfBirth)

                FROM Employees13);



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-----------------------4.Find the Oldest and Youngest Employees Problem: Given an `Employees` table with columns `EmployeeID`, `Name`, an

CREATE TABLE Employees13 (
EmployeeID INT,
Name VARCHAR(100),
DateOfBirth DATE
);
INSERT INTO Employees13(EmployeeID ,Name ,DateOfBirth )VALUES(1,'ram','2023-08-05'),(2,'babu','2020-05-05'),(3,'sheethal','2021-07-01');
SELECT  Name
FROM Employees13
WHERE DateOfBirth=(SELECT MIN(DateOfBirth)
                   FROM Employees13)
OR DateOfBirth=(SELECT MAX(DateOfBirth)
                   FROM Employees13);
```

```
   Name
1  ram
2  babu
```

5.Find the Monthly Average Sales for Each Salesperson Problem: Given a `Sales` table with columns `SalesPersonID`, `SaleAmount`,and`SaleDate`,find the monthly average sales for each salesperson.

```
CREATE TABLE Sales14 (

SalesPersonID INT,

SaleAmount INT,

SaleDate DATE

);

INSERT INTO Sales14(SalesPersonID ,SaleAmount ,SaleDate )VALUES(1,20000,'2023-08-05'),(2,300000,'2020-05-05'),(3,400000,'2021-07-01');

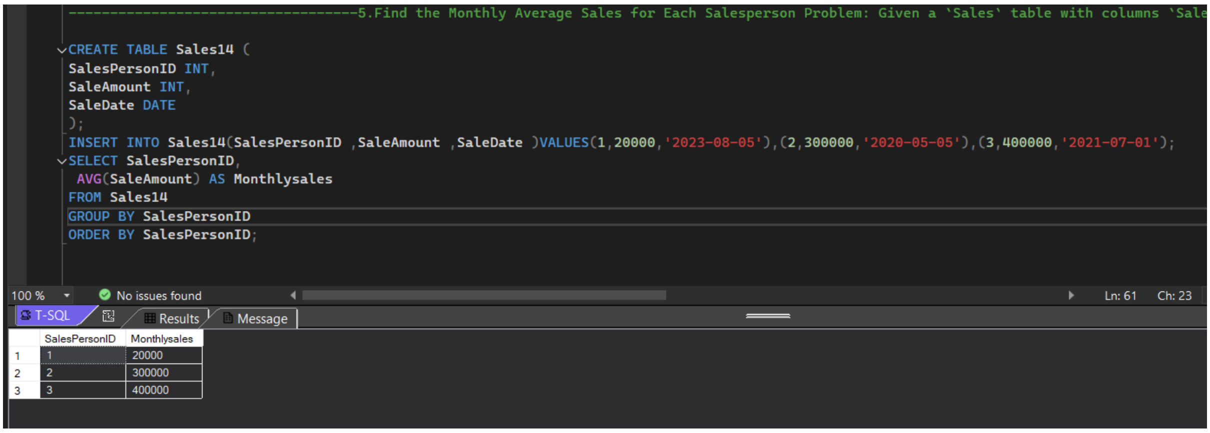
SELECT SalesPersonID,

 AVG(SaleAmount) AS Monthlysales

FROM Sales14

GROUP BY SalesPersonID

ORDER BY SalesPersonID;
```



```
-----------------------------------5.Find the Monthly Average Sales for Each Salesperson Problem: Given a `Sales` table with columns `Sale

CREATE TABLE Sales14 (
SalesPersonID INT,
SaleAmount INT,
SaleDate DATE
);
INSERT INTO Sales14(SalesPersonID ,SaleAmount ,SaleDate )VALUES(1,20000,'2023-08-05'),(2,300000,'2020-05-05'),(3,400000,'2021-07-01');
SELECT SalesPersonID,
 AVG(SaleAmount) AS Monthlysales
FROM Sales14
GROUP BY SalesPersonID
ORDER BY SalesPersonID;
```

	SalesPersonID	Monthlysales
1	1	20000
2	2	300000
3	3	400000