

Question:

You have three tables in a database:

1. **Employees** with columns: **EmployeeID** , **FirstName**, **LastName**, **DepartmentID**
2. **Departments** with columns: **DepartmentID** , **DepartmentName**
3. **Orders** with columns: **OrderID** , **EmployeeID** , **OrderDate** , **TotalAmount**

Please choose appropriate DataTypes.

Write a SQL query to retrieve the total sales amount for each department. Display the department name and the total sales amount. Assume that the sales representative information is stored in the **Employees** table, the department information is in the **Departments** table, and the sales orders are in the **Orders** table.

Answer

```
SELECT d. DepartmentName, SUM (o. TotalAmount) AS TotalSalesAmount
FROM Orders o
JOIN Employees e ON o. EmployeeID = e. EmployeeID
JOIN Departments d ON e. DepartmentID = d. DepartmentID
GROUP BY d. DepartmentName
ORDER BY TotalSalesAmount DESC;
```

Expected Output:

DepartmentName	TotalSalesAmount
HR	XXXX.XX
IT	XXXX.XX