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.

Expected Output:

DepartmentName	TotalSalesAmount
HR	XXXX.XX
IT	XXXX.XX

Table Structures with Data Types:

1. **Employees Table:**
    - EmployeeID - INT (Primary Key, Auto Increment)
    - FirstName - VARCHAR(50)
    - LastName - VARCHAR(50)
    - DepartmentID - INT (Foreign Key)
2. **Departments Table:**
    - DepartmentID - INT (Primary Key, Auto Increment)
    - DepartmentName - VARCHAR(100)
3. **Orders Table:**
    - OrderID - INT (Primary Key, Auto Increment)
    - EmployeeID - INT (Foreign Key)
    - OrderDate - DATE
    - TotalAmount - DECIMAL(10, 2)

Quary :

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