DBI202 PRACTICAL EXAM

A. Given you are working on the FUH_COMPANY database. Write SQL statements that solve the following problems:

1. Display the employee list that belongs to the department of 'Phòng Phần mềm trong nước', and sort the result by EmpSSN

2. Display the total number of employees of each department.
   Output: *DepNum, DepName, NoEmployees*

3. Which department has the most employees?
   Output: *DepNum, DepName, NoEmployees*

4. Display the total number of projects of each department.
   Output: *DepNum, DepName, NoProjects*

5. Display the project information regarding to all of employees that belong to the department of 'Phòng Phần mềm trong nước' and 'Phòng Phần mềm nước ngoài', and sort the result by ProjectNumber
   Output: *EmpSSN, EmpName, ProjectNumber, WorkHours, DepNum, DepName*

6. How many employees are working on the 'Project A'
   Output: *ProjectNum, ProjectName, NoEmployees*

B. AloShop - an online mobile shopping website would like to keep its' sales transactions. Each sales transaction records the folowing information:
Customer ID, Customer Name, Phone, Address, Order ID, Order Date, Ship To Address, Shipped Date, Total Amount (VND)

Design the **ERD** and **DDL** script to capture the AloShop sales activities (with all neccessary constraints and assumptions)
Create a sample data for this design (**DML**)

GOOD LUCK!!!
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