Day-8  
  
Date:18/04/2024  
  
  
Task:

1. \*\*Department Class\*\*: Represents a department with properties for ID, name, and head of the department. It overrides the `ToString` method to provide a string representation of the department.

2. \*\*IDepartment Interface\*\*: Defines the operations that can be performed on departments, such as adding, getting, updating, deleting, and getting all departments. Each method takes an ID or department object as a parameter and returns a department object or a dictionary of departments.

3. \*\*DepartmentRepository Class\*\*: Implements the `IDepartment` interface and provides the actual implementation for the operations using a dictionary to store departments. It throws `DepartmentNotFoundException` and `DepartmentAlreadyFoundException` when departments are not found or already exist, respectively.

4. \*\*Main Method (Program.cs)\*\*: Creates an instance of `DepartmentRepository` and demonstrates the use of its methods to add, get, update, and delete departments. It also iterates over all departments and prints them to the console.

