IQRA UNIVERSITY IU

❖OBJECT ORIENTED PROGRAMING

❖PROJECT_NAME:
Employee Management System:

Group members:

1) Kabeer Abdul Karim (67517)

Tittle:

Employee Management System:

The task is to develop an **Employee Management System (EMS)** using **Object-Oriented Programming (OOP)** principles, following a similar structure to the provided **Car Parking System**. Below is an explanation of the key components involved in this system, as well as the complete implementation:

Overview of the Employee Management System

- **Purpose**: The system allows the management of employee details, including adding, viewing, searching, updating, and deleting employees. Additionally, it supports saving and loading employee data to/from a file.
- **Key Features**:

  Add Employee: Add a new employee to the system.

  1. **View Employees**: Display the list of all employees.
  2. **Search Employee**: Search for employees by ID or name.
  3. **Update Employee**: Update an employee's designation and salary.
  4. **Delete Employee**: Remove an employee from the system.
  5. **Save to File**: Persist employee data to a file.
  6. **Load from File**: Load employee data from a file.

Classes, Objects, and Methods

1. **Person Class**: This represents a general person with common attributes such as name, age, and contact. It serves as the base class for **Employee**.
2. **Employee Class**: This extends the `Person` class and adds attributes specific to employees such as employee ID, designation, and salary.
3. **EmployeeManagementSystem Class**: This class handles the operations related to employee management, including adding, viewing, updating, deleting employees, and managing file operations (save/load).
4. **EmployeeManagement Class**: This is the main class with a menu-driven interface for interacting with the system.