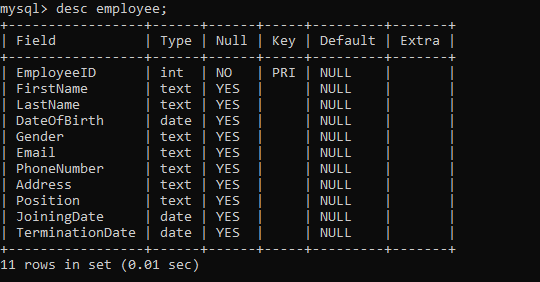
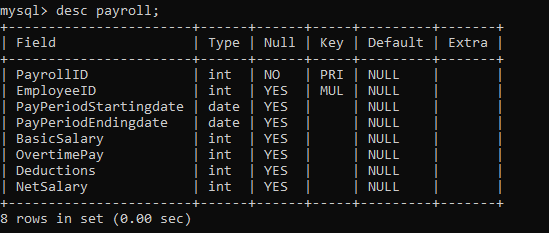


SQL Tables:

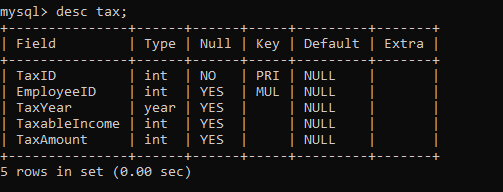
1. Employee Table:



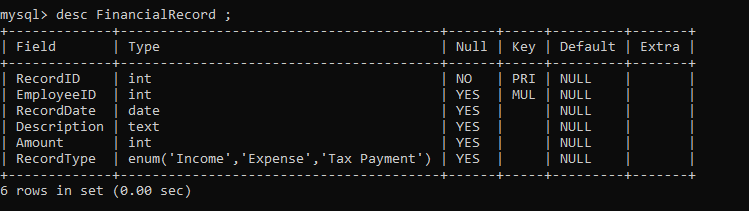
2. Payroll Table:



3. Tax Table:



4. FinancialRecord Table:

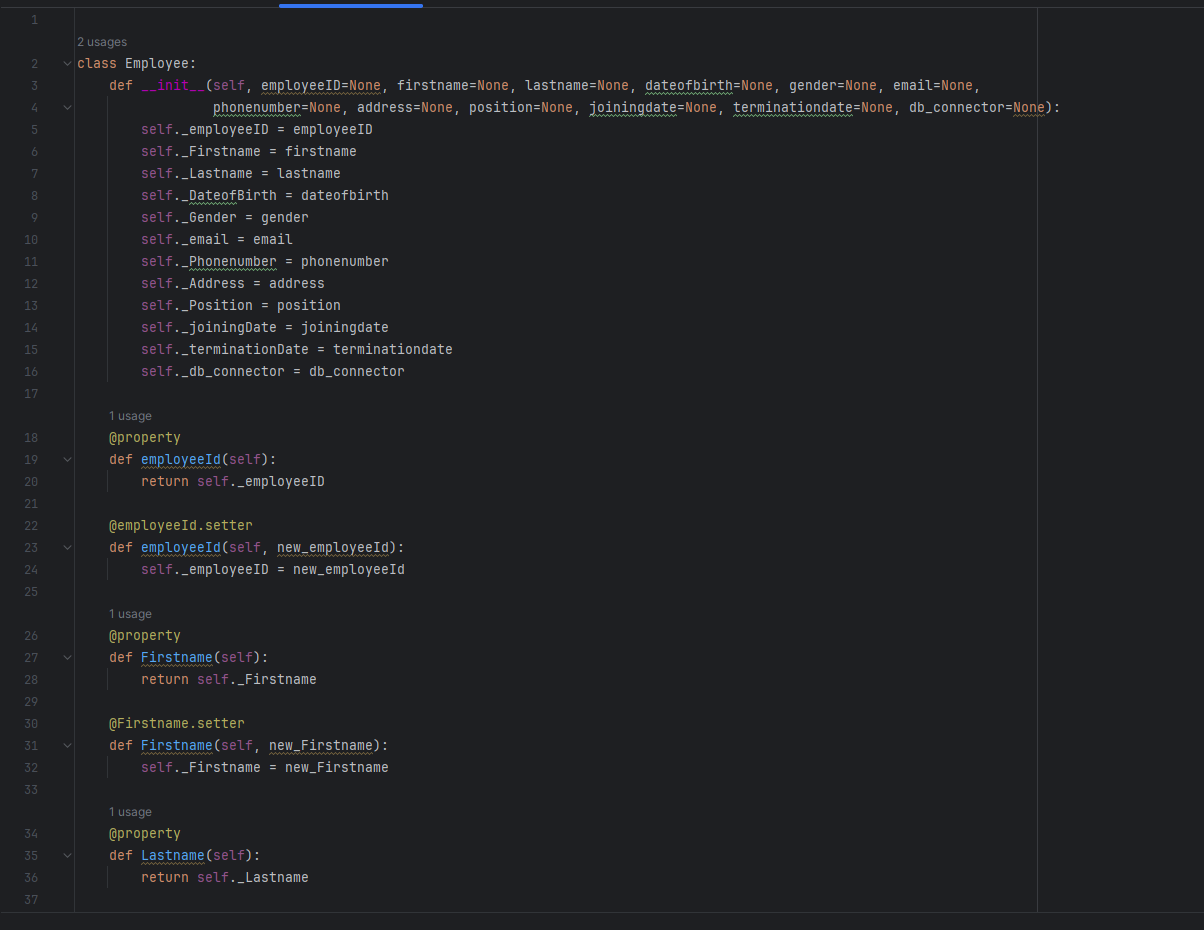


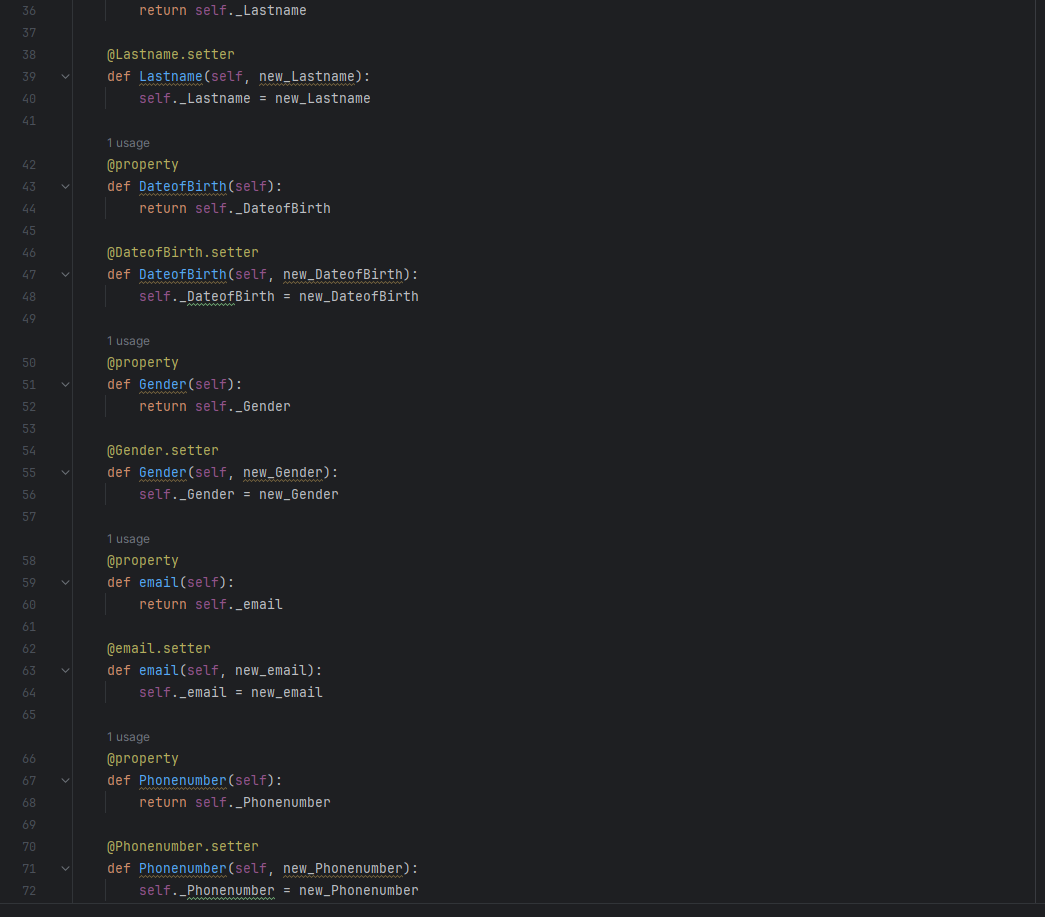
Classes :

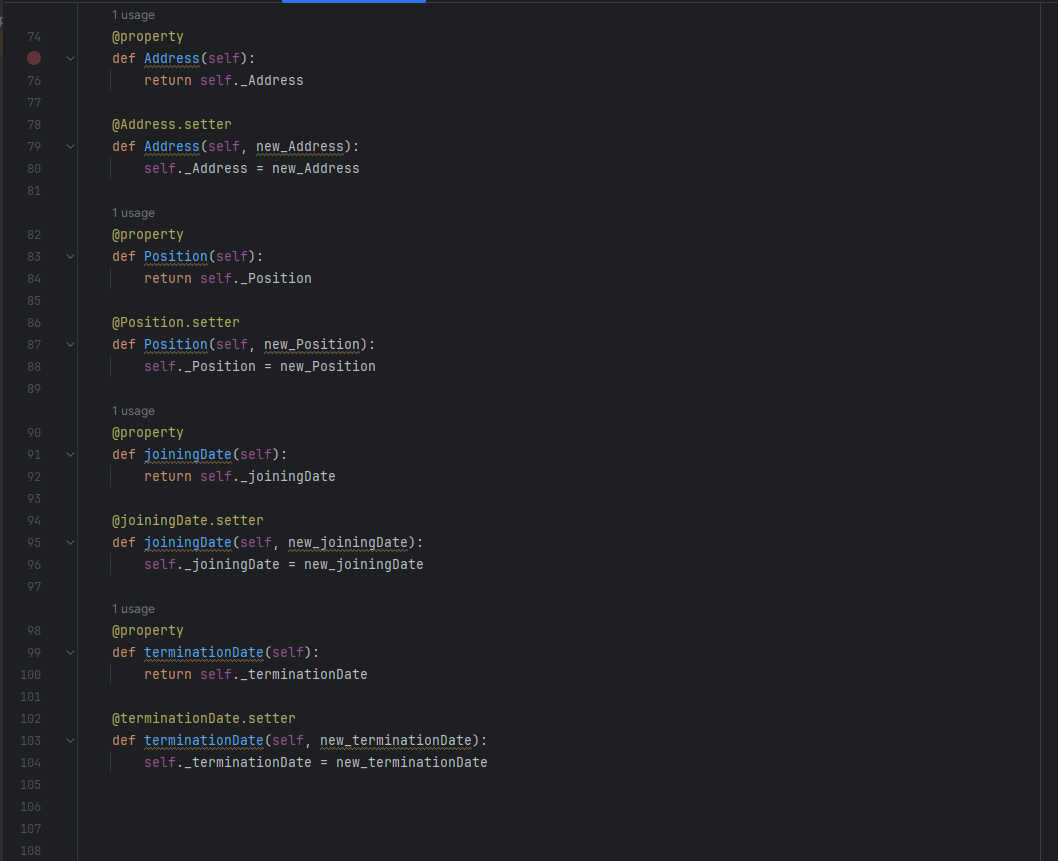
• Employee:

• Properties: EmployeeID, FirstName, LastName, DateOfBirth, Gender, Email,

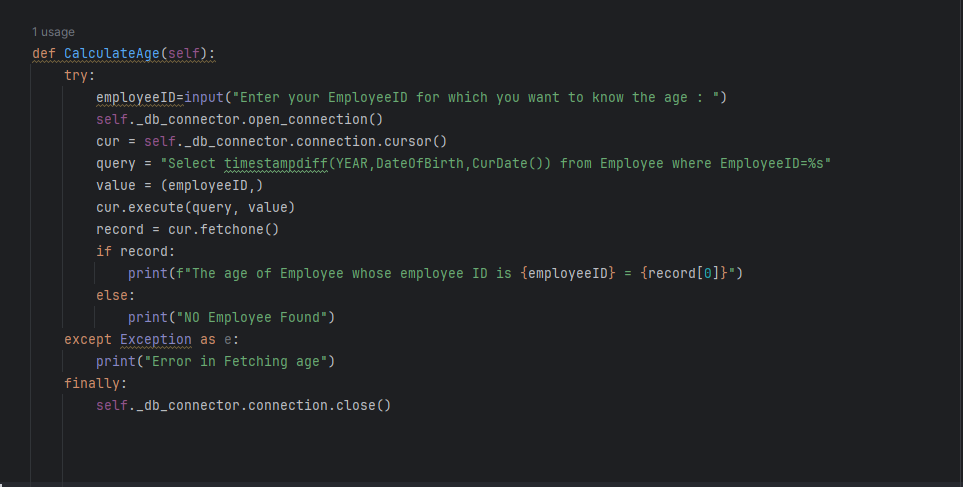
PhoneNumber, Address, Position, JoiningDate, TerminationDate







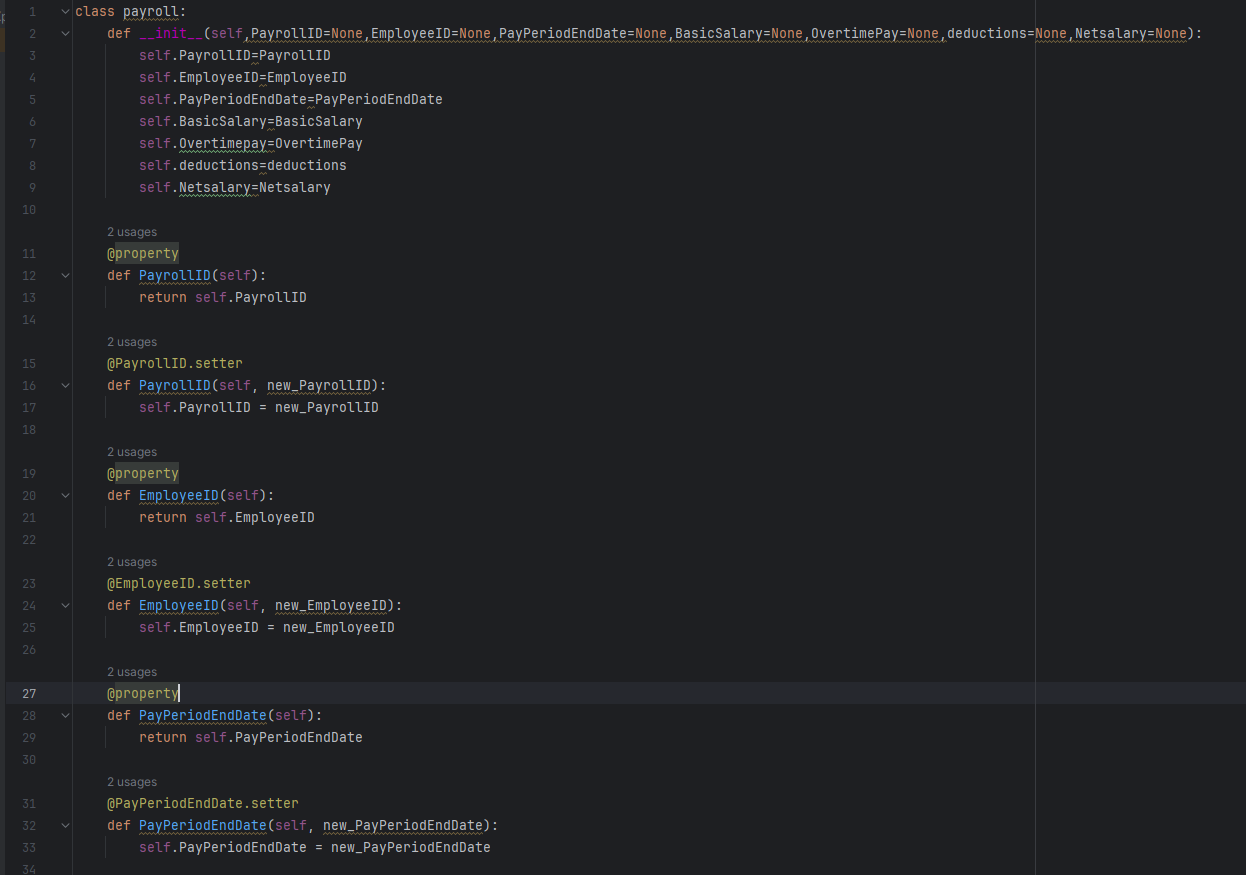
• Methods: CalculateAge()

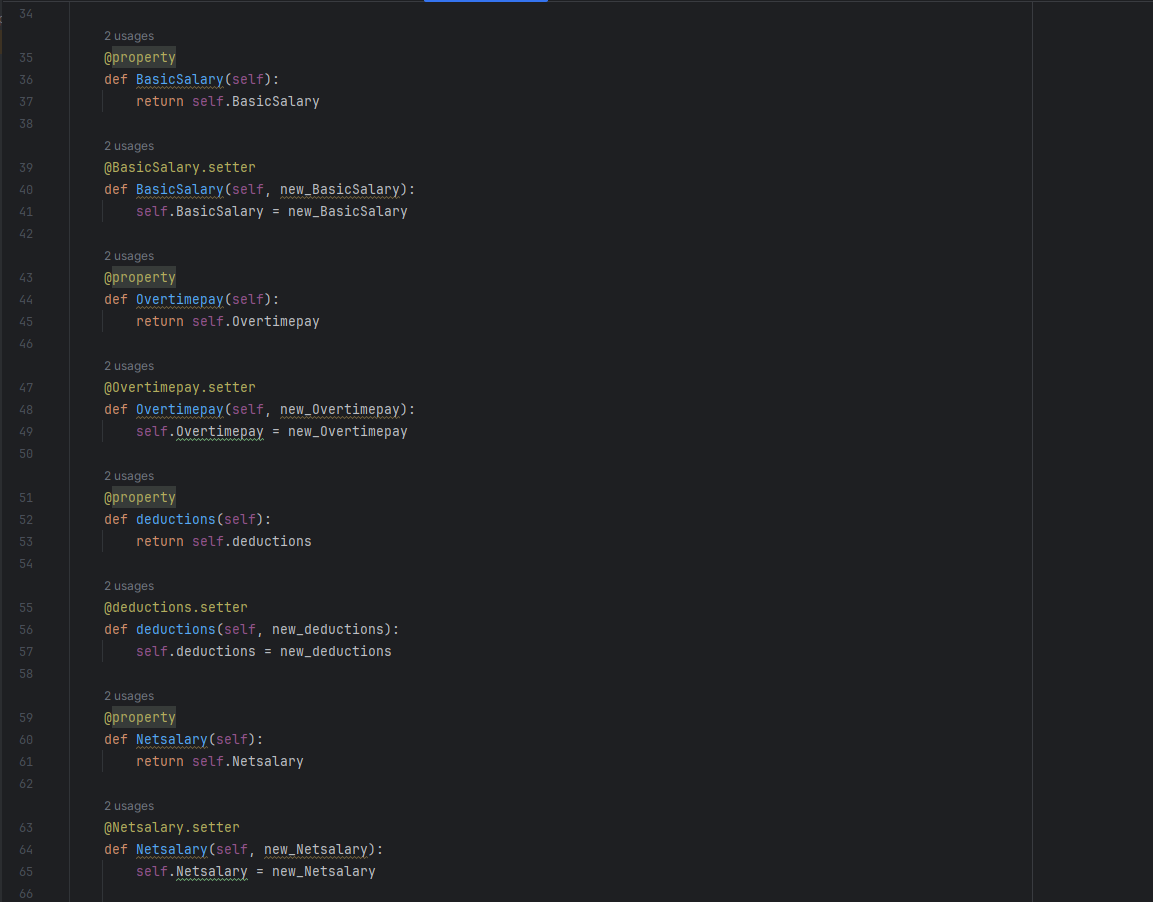


• Payroll:

• Properties: PayrollID, EmployeeID, PayPeriodStartDate, PayPeriodEndDate, BasicSalary,

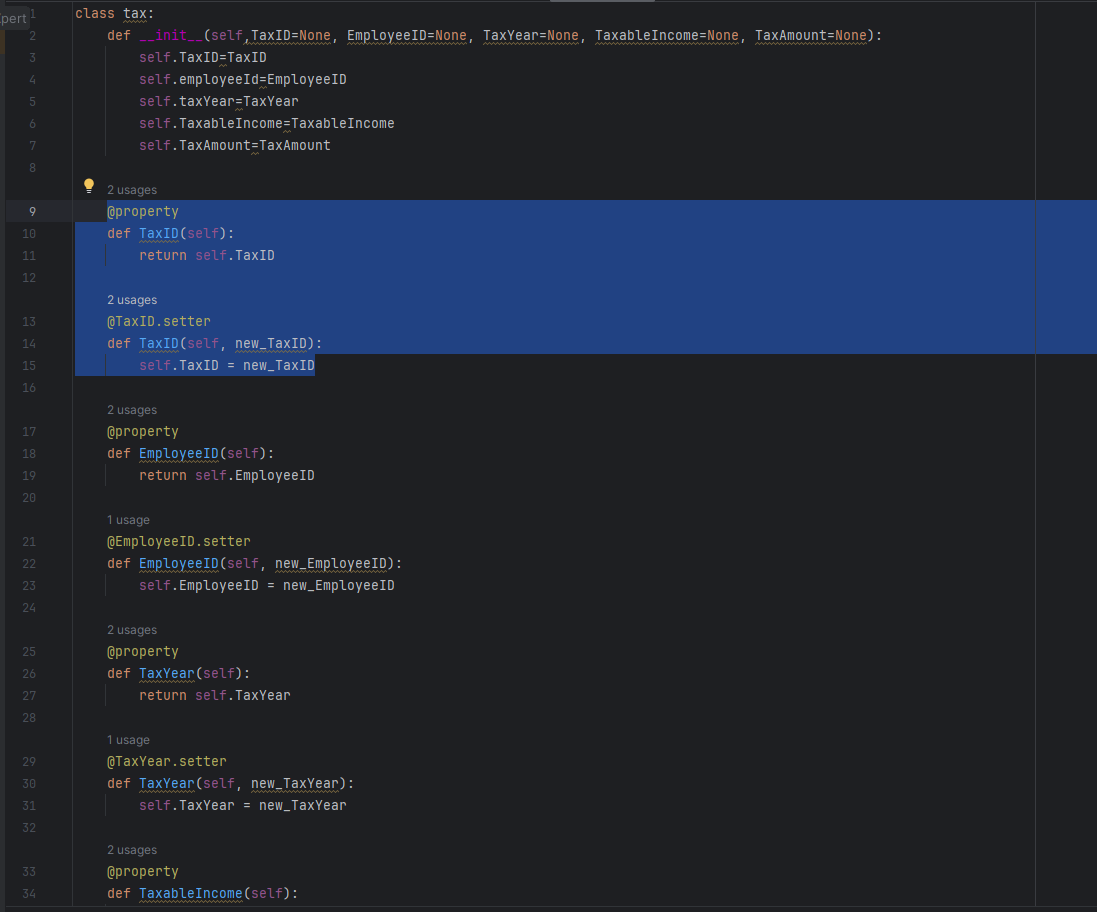
OvertimePay, Deductions, NetSalary

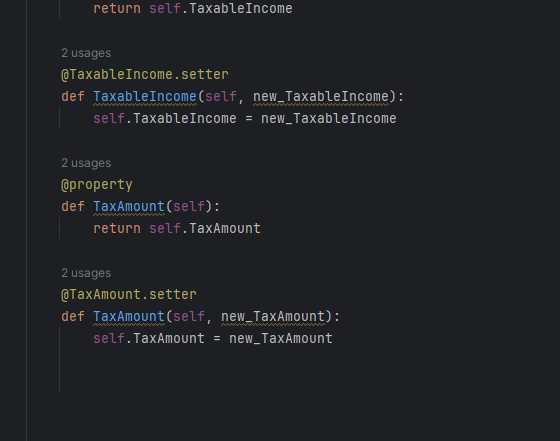




• Tax:

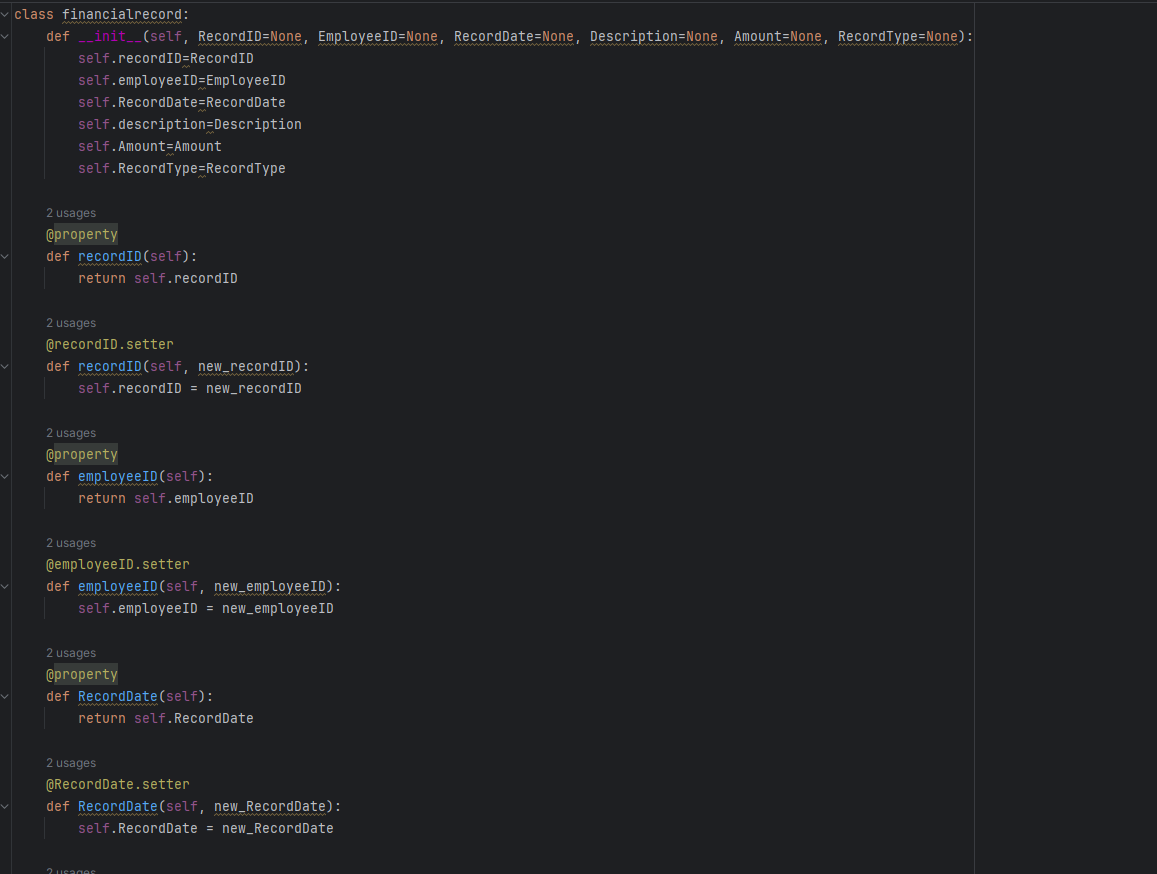
• Properties: TaxID, EmployeeID, TaxYear, TaxableIncome, TaxAmount

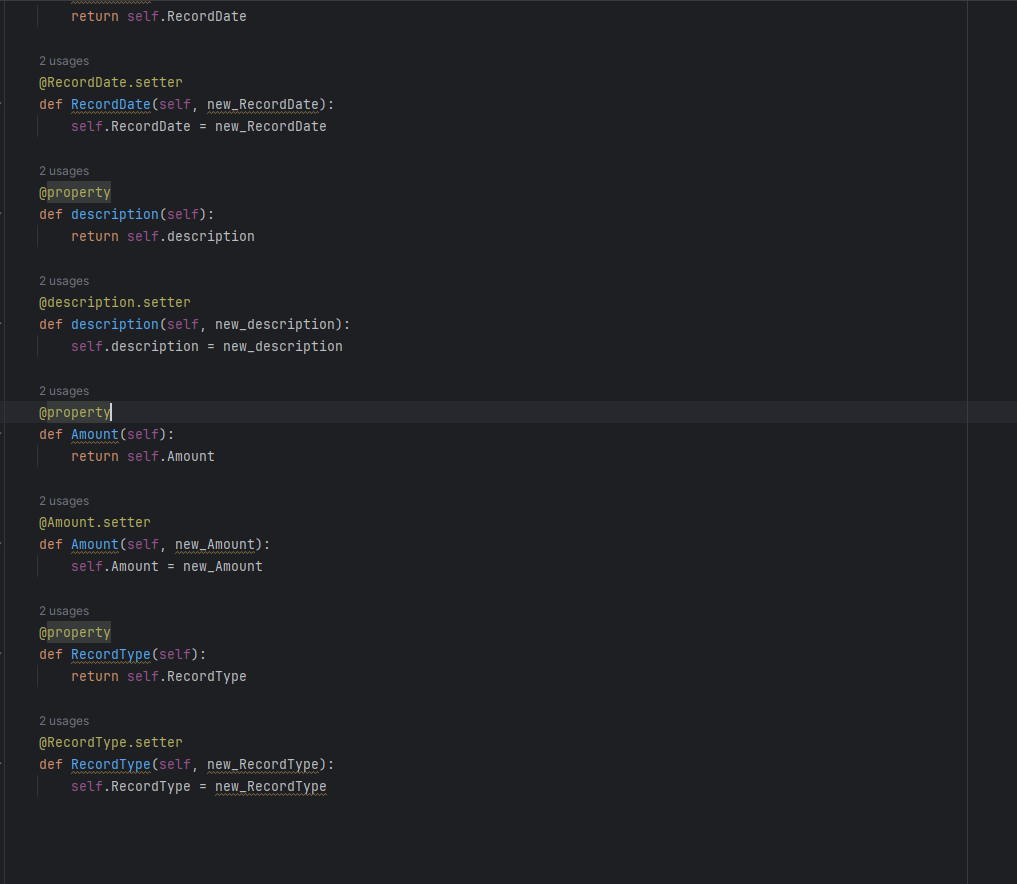




• FinancialRecord:

• Properties: RecordID, EmployeeID, RecordDate, Description, Amount, RecordType

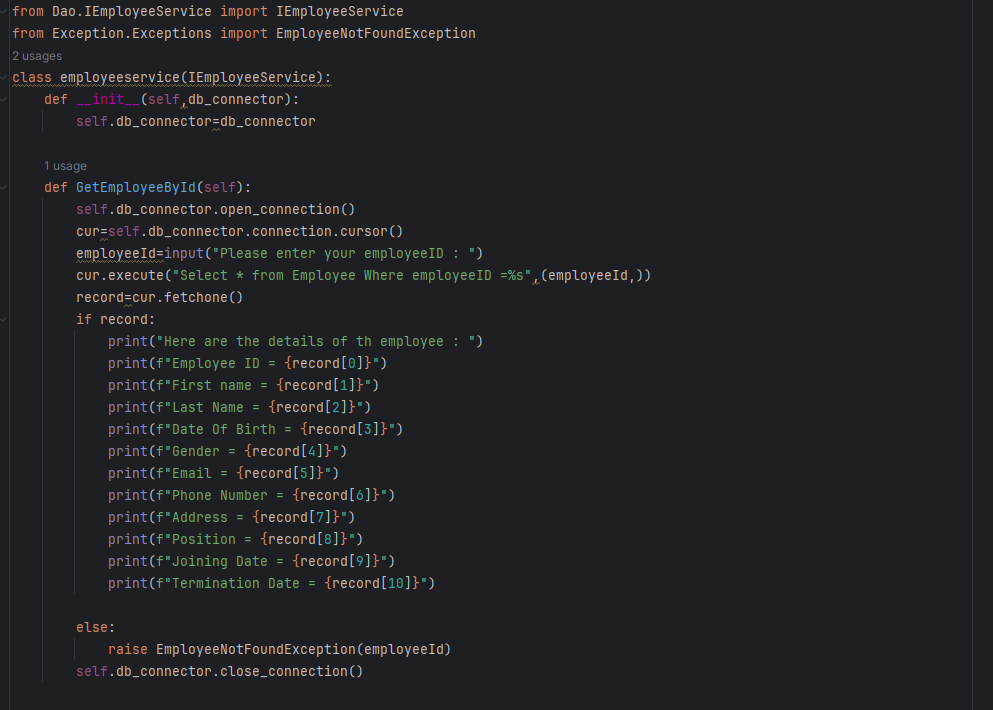




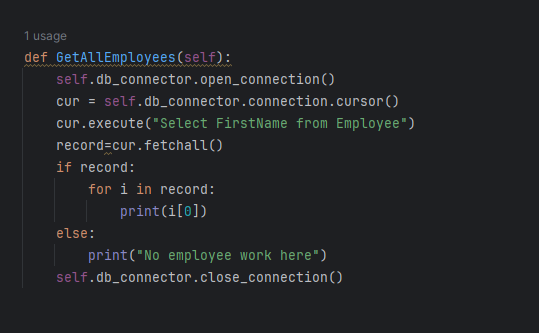
• EmployeeService (implements IEmployeeService):

• Methods:

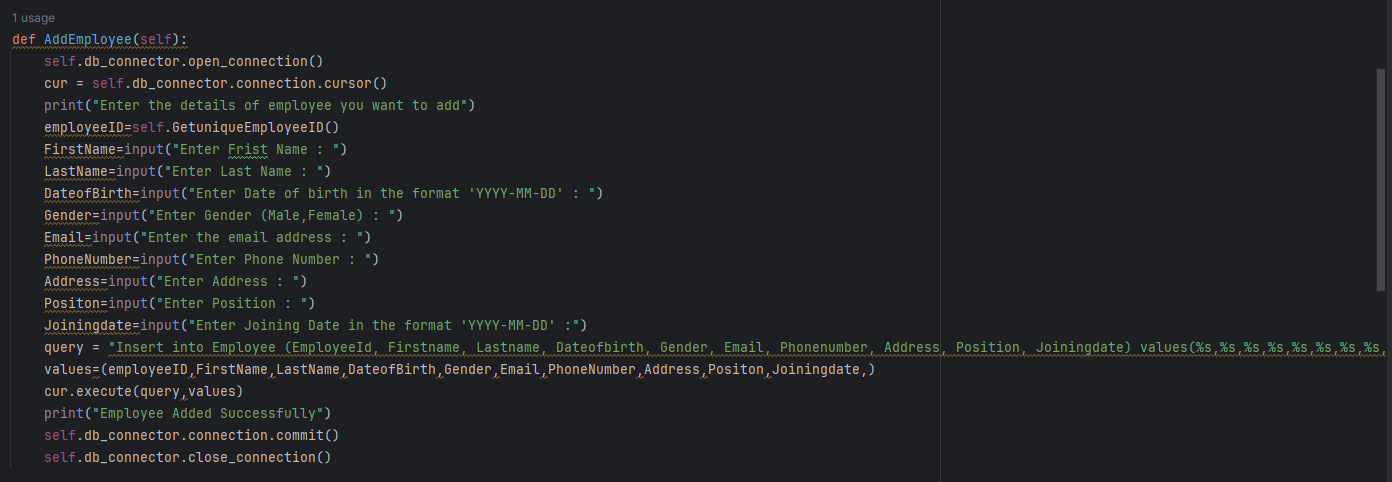
GetEmployeeById,



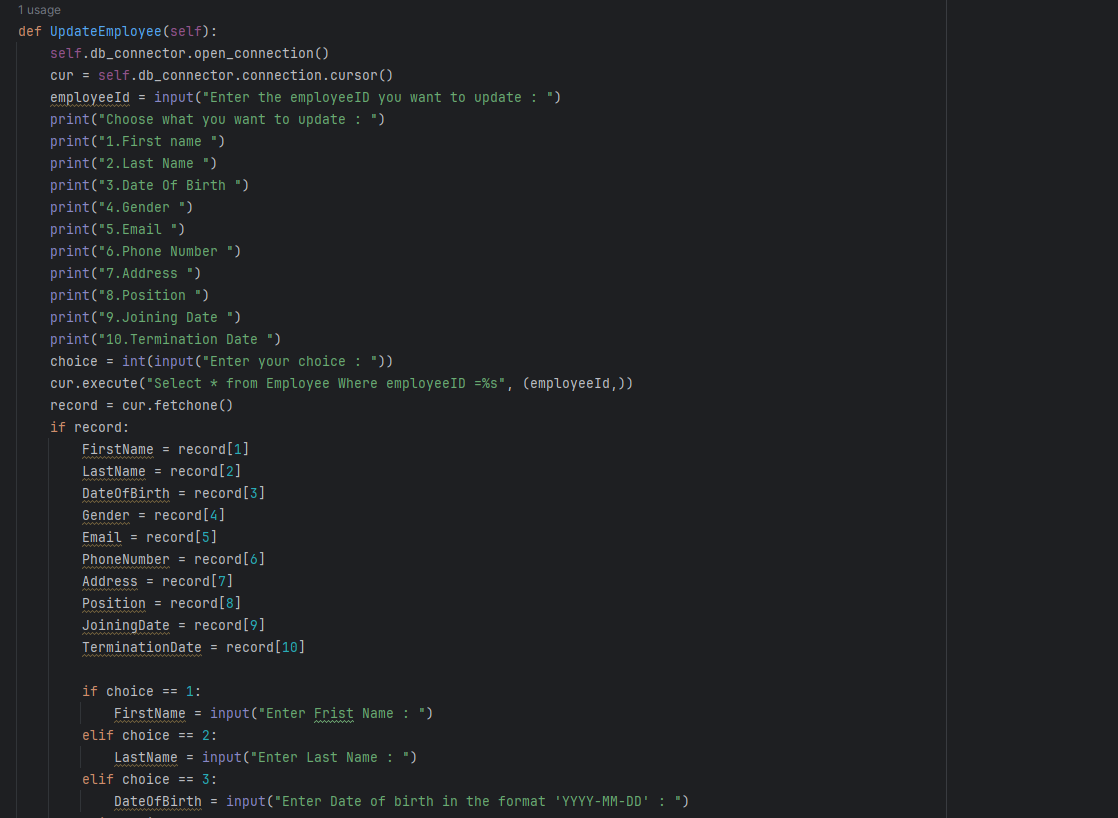
GetAllEmployees,

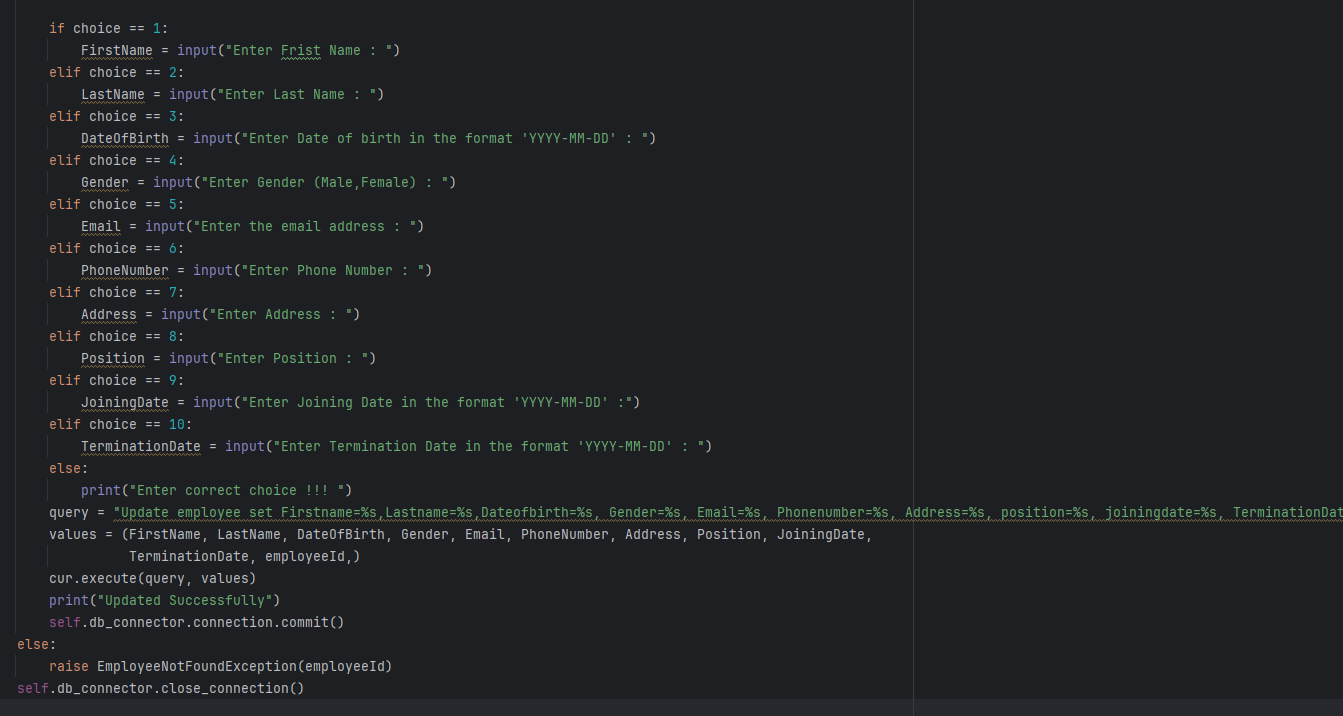


AddEmployee,

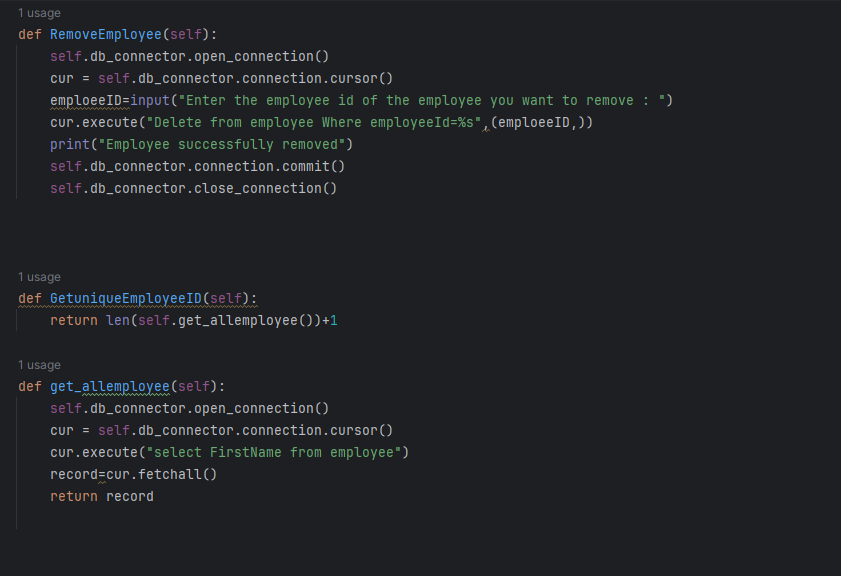


UpdateEmployee,





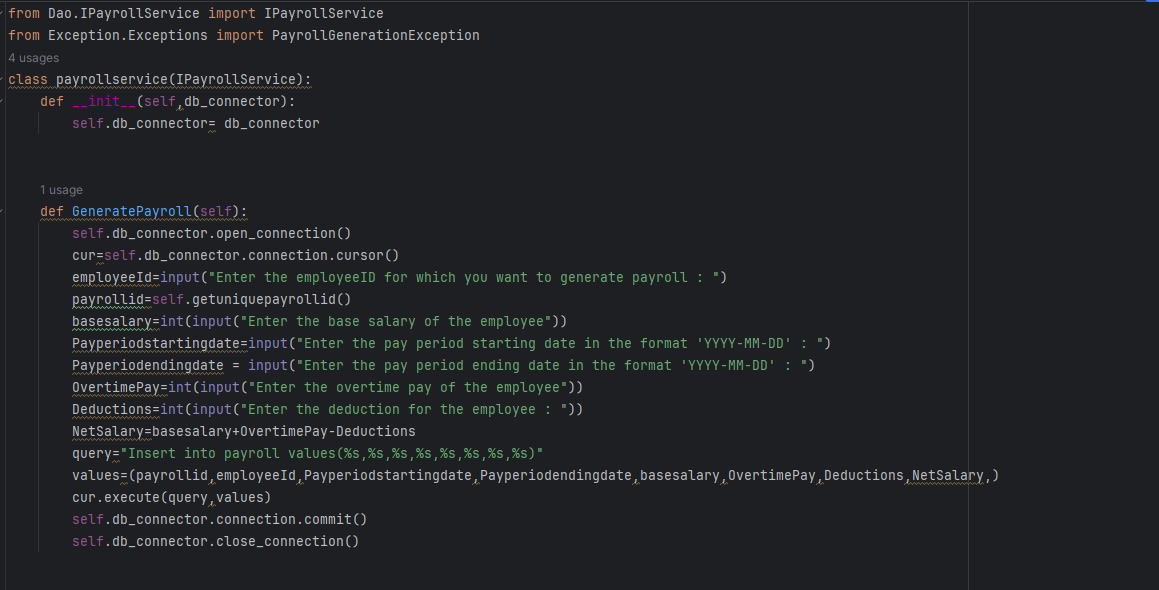
RemoveEmployee



• PayrollService (implements IPayrollService):

• Methods:

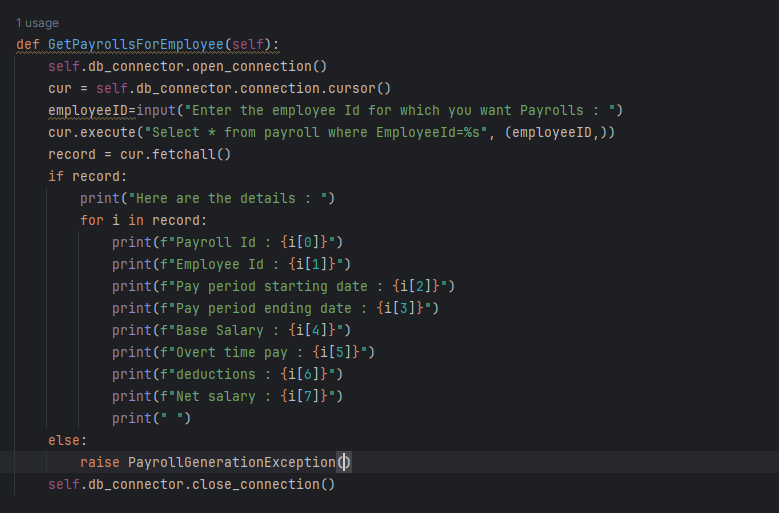
GeneratePayroll,



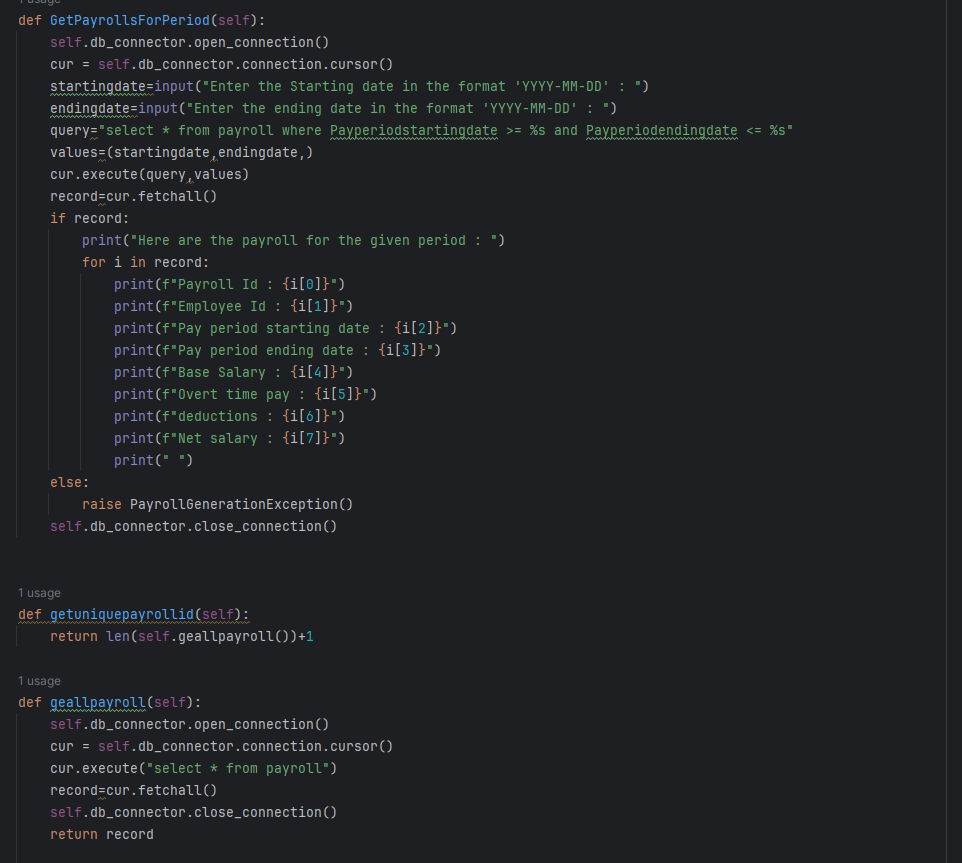
GetPayrollById,



GetPayrollsForEmployee,



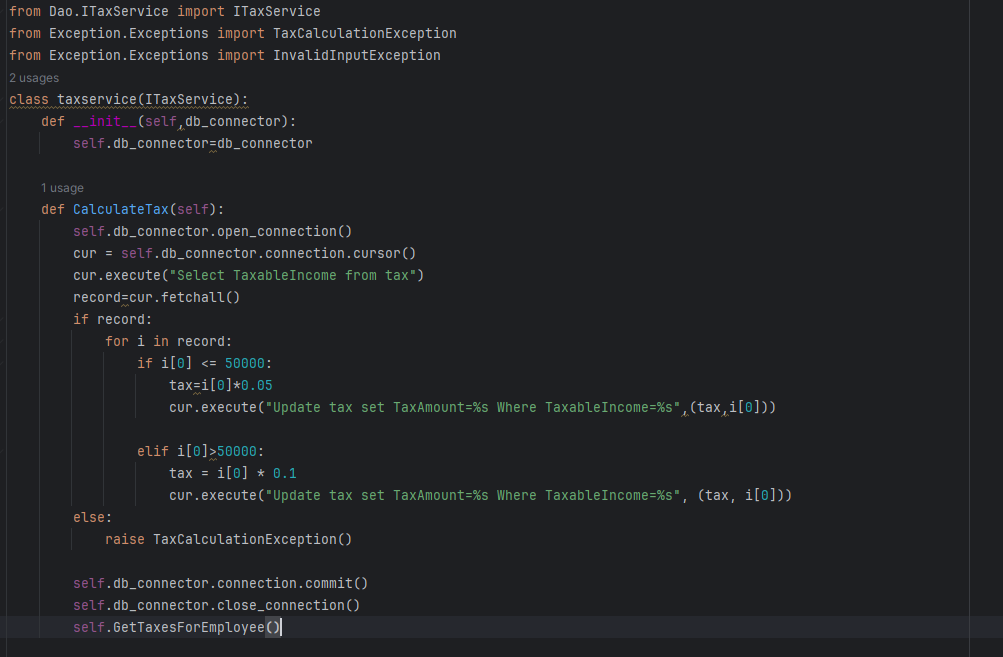
GetPayrollsForPeriod



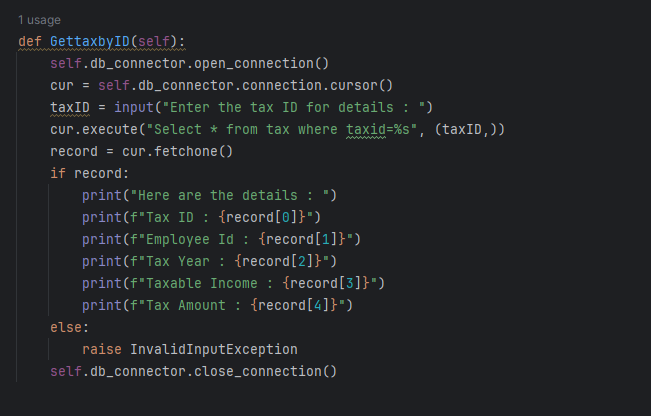
• TaxService (implements ITaxService):

• Methods:

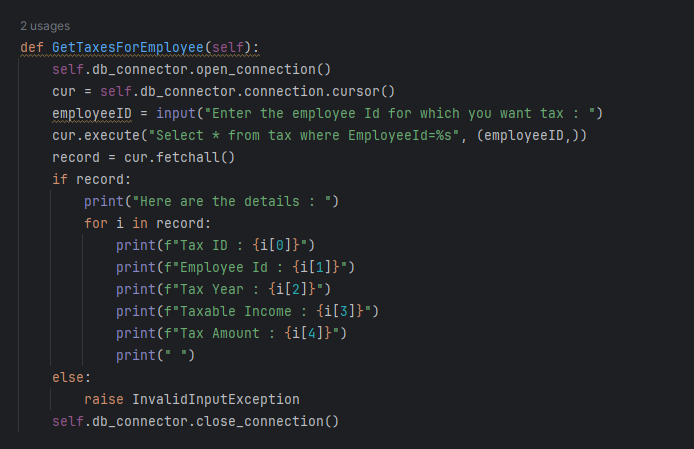
CalculateTax,



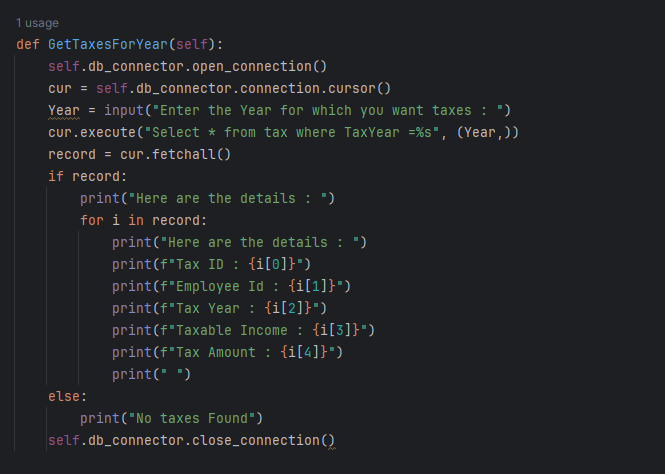
GetTaxById,



GetTaxesForEmployee,



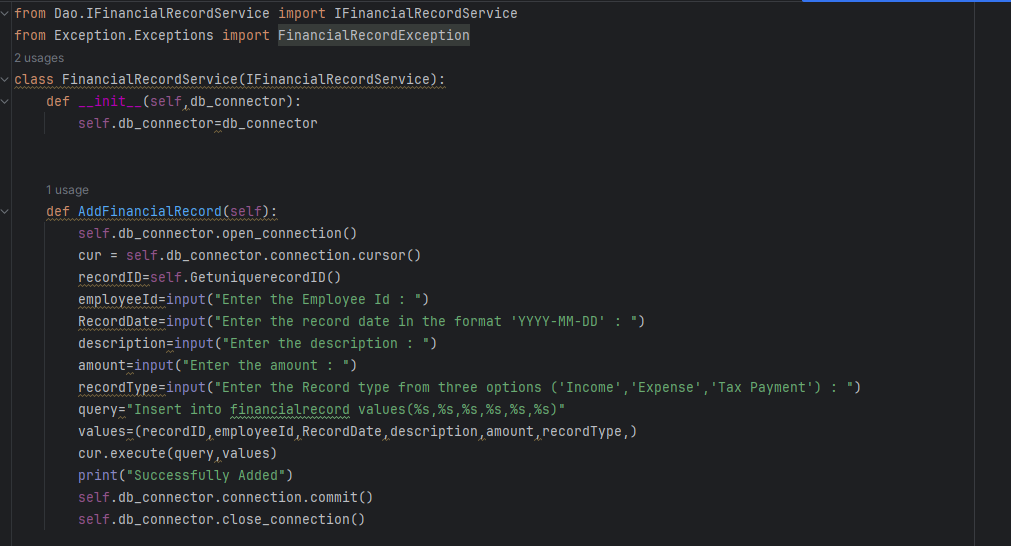
GetTaxesForYear



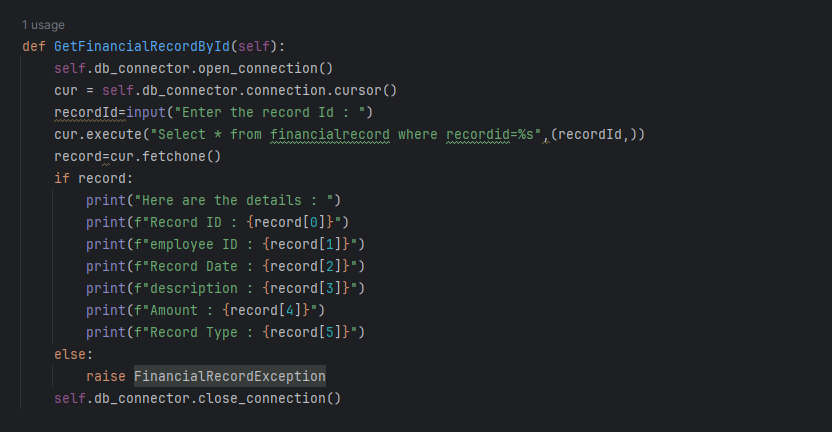
• FinancialRecordService (implements IFinancialRecordService):

• Methods:

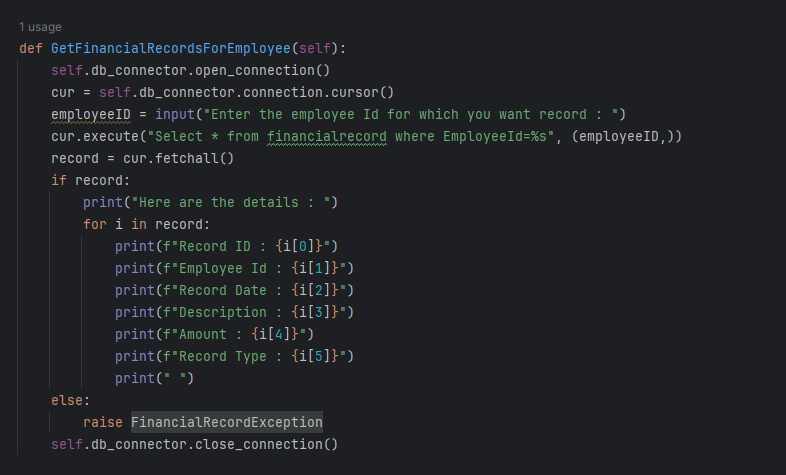
AddFinancialRecord,



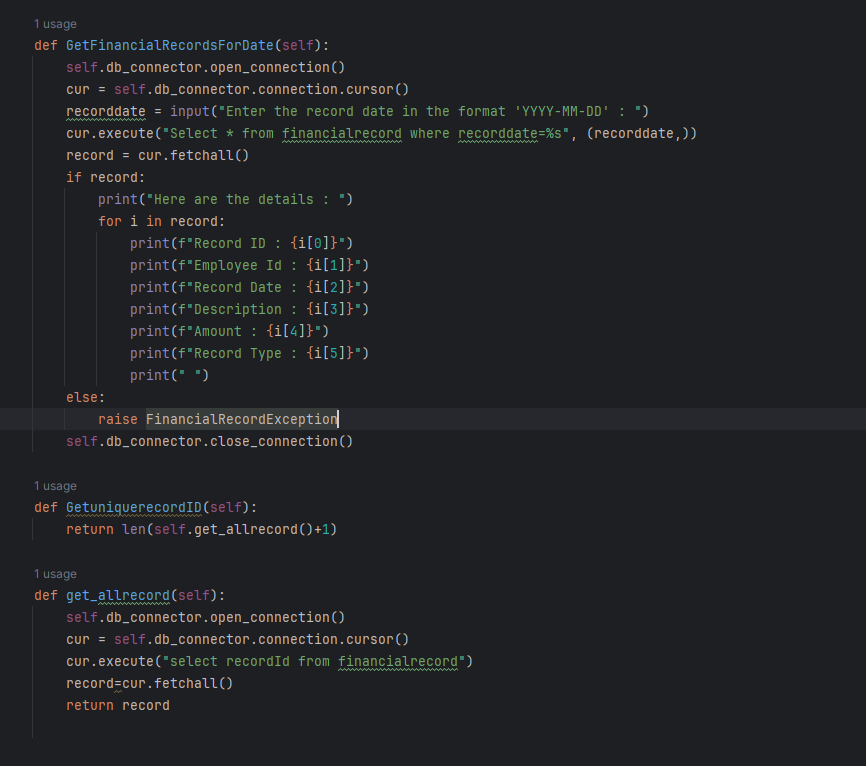
GetFinancialRecordById,



GetFinancialRecordsForEmployee,



GetFinancialRecordsForDate



**Abstract Class :**

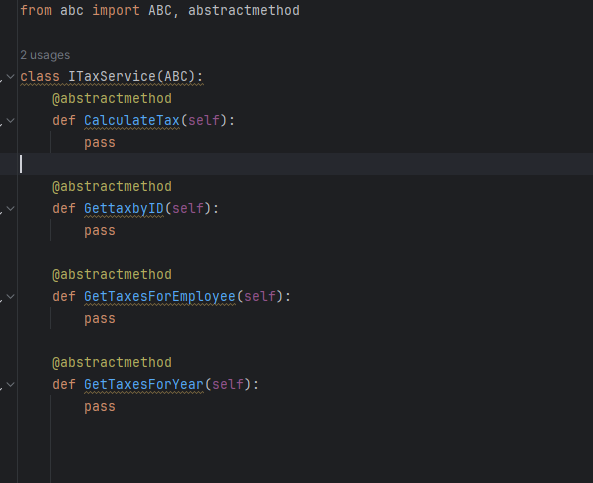
IEmployeeService:



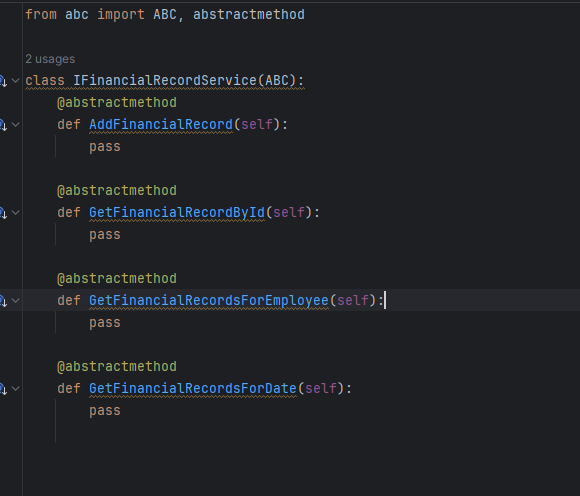
IPayrollService:



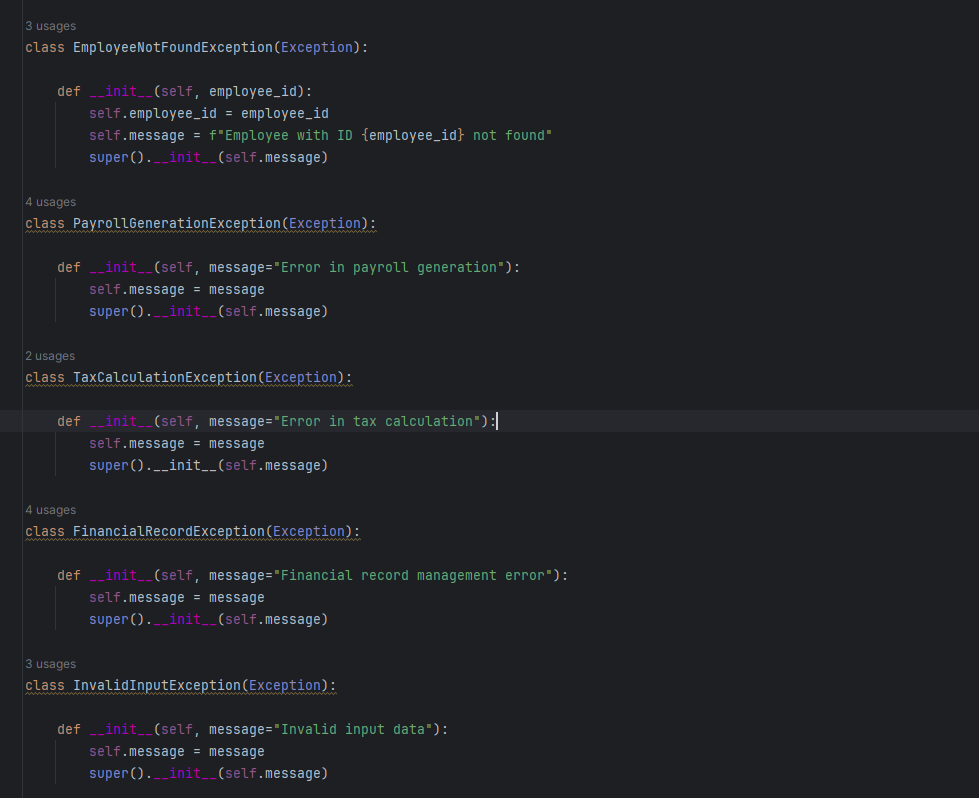
ITaxService:



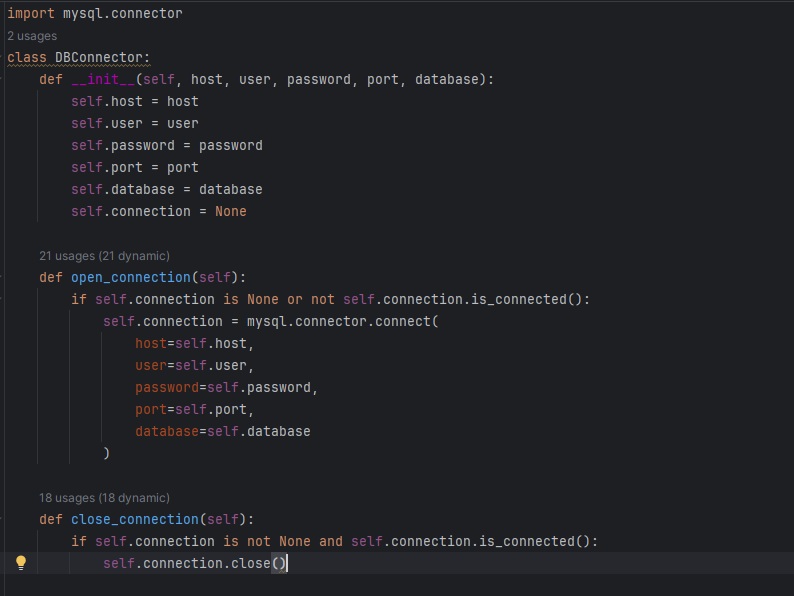
IFinancialRecordService:



Exceptions :

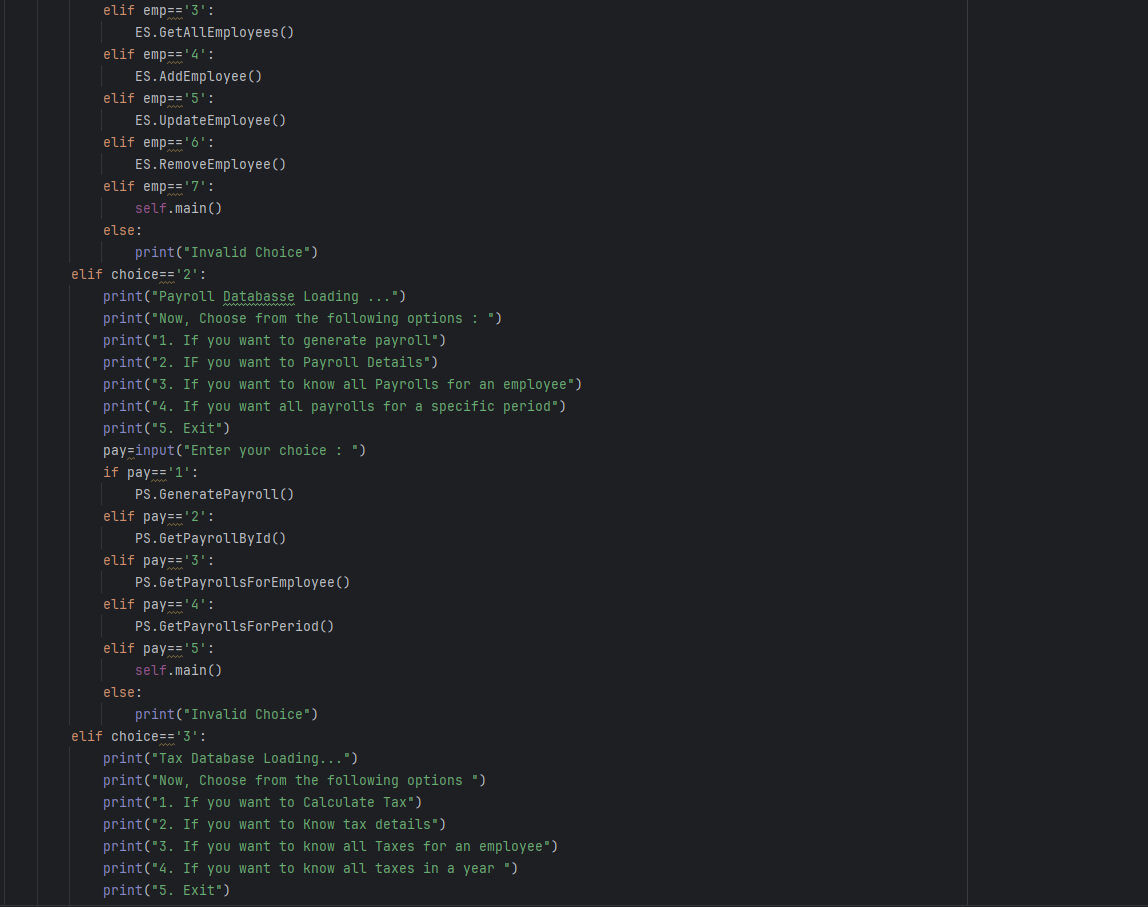
 

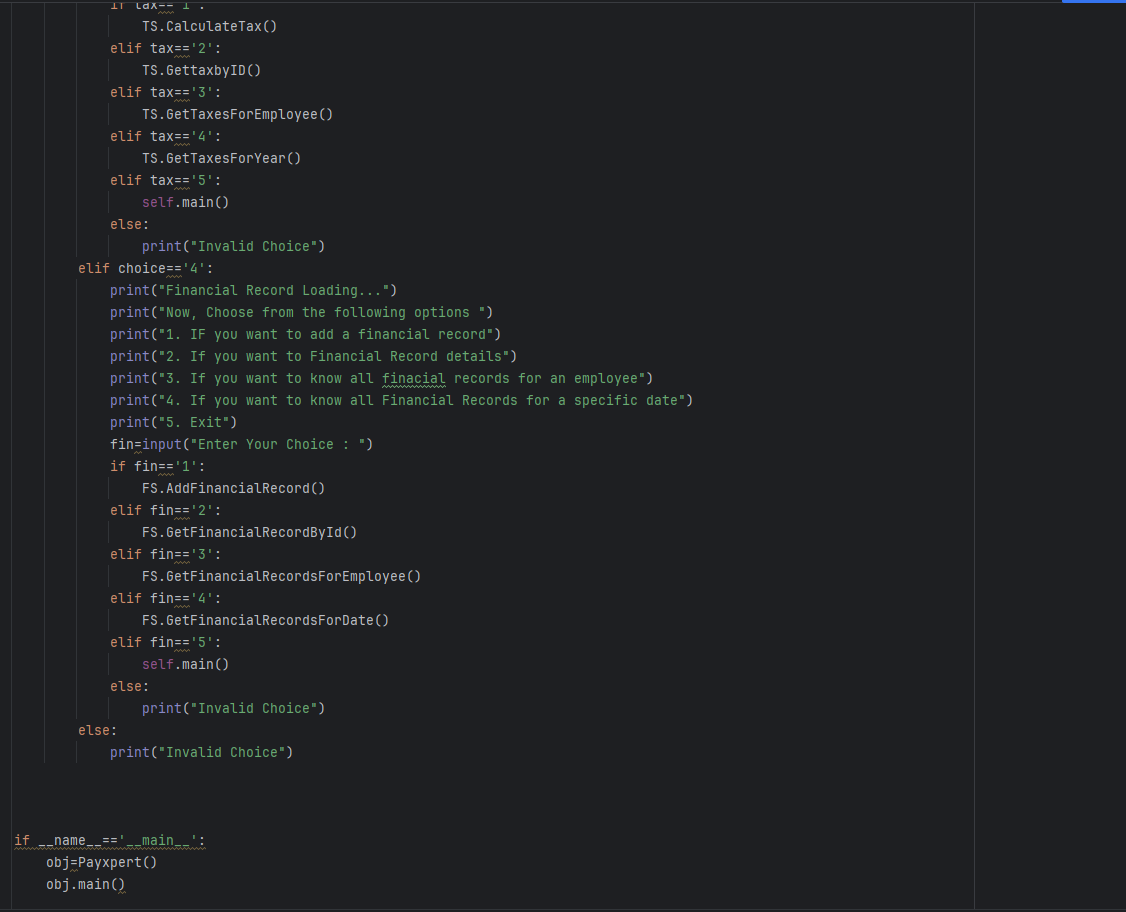
Database Connectivity :



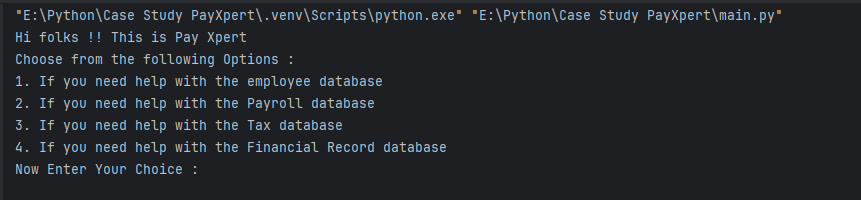
Main() :

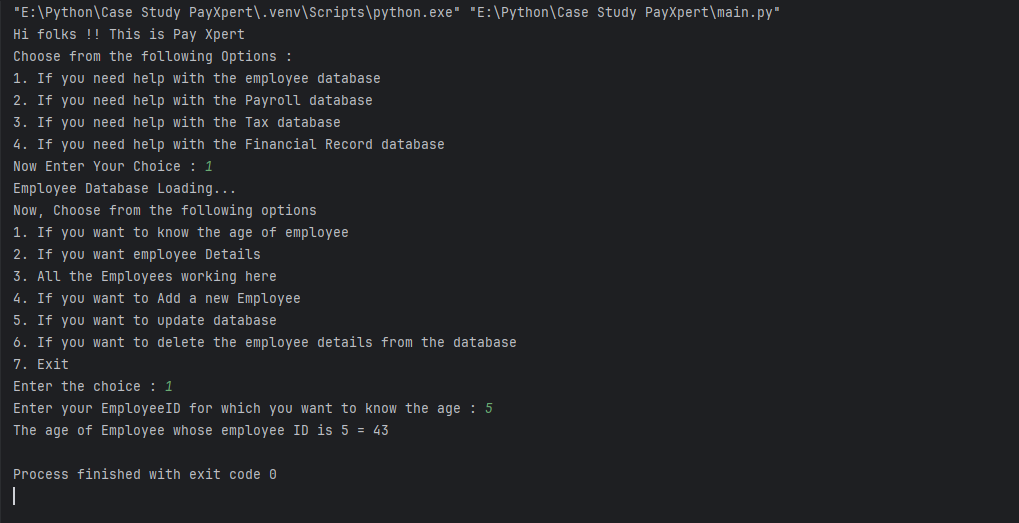


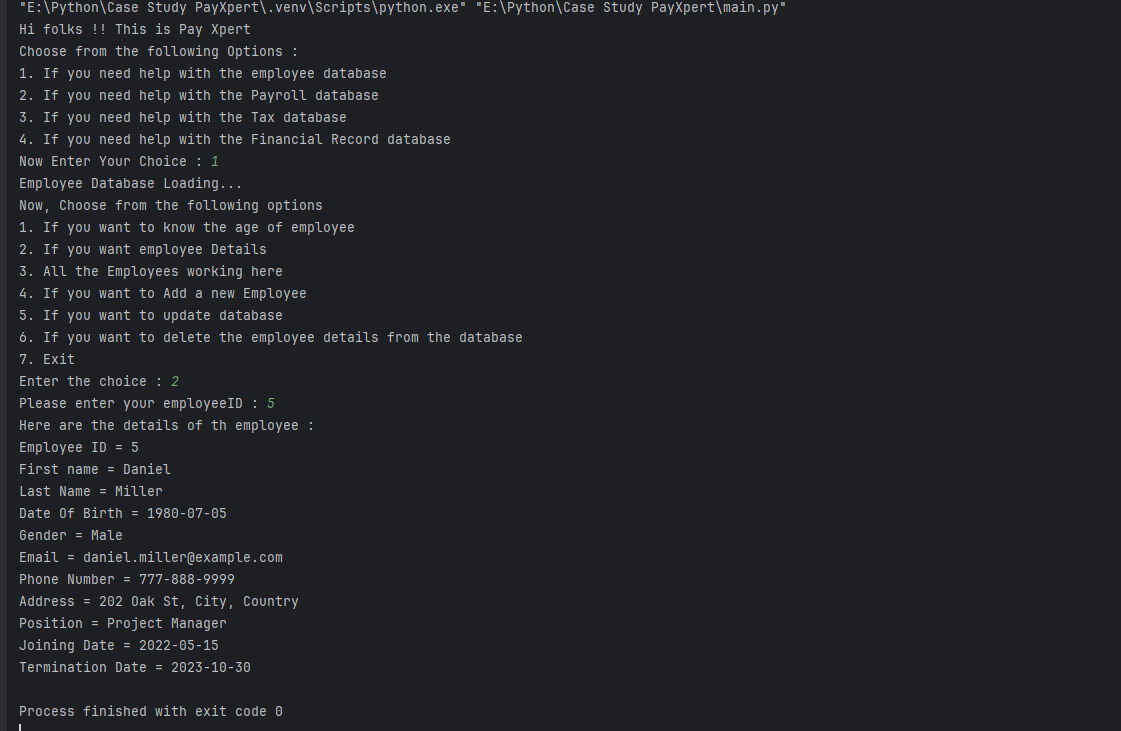


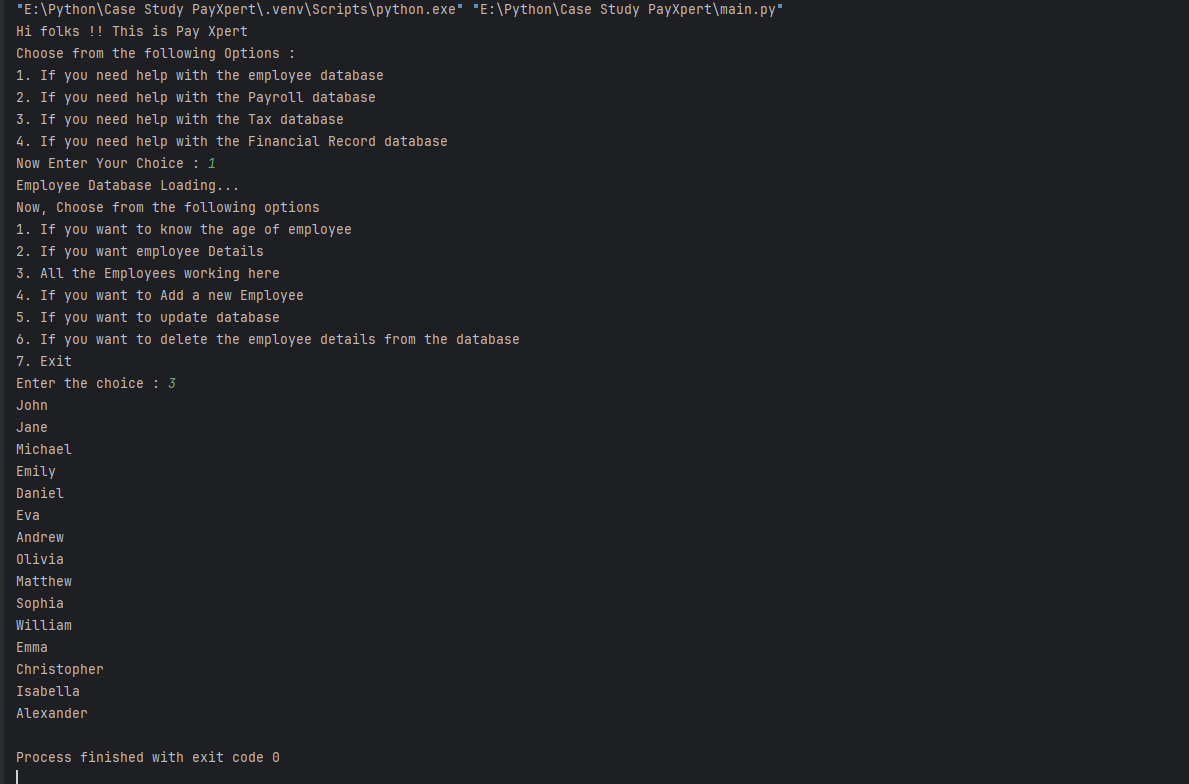


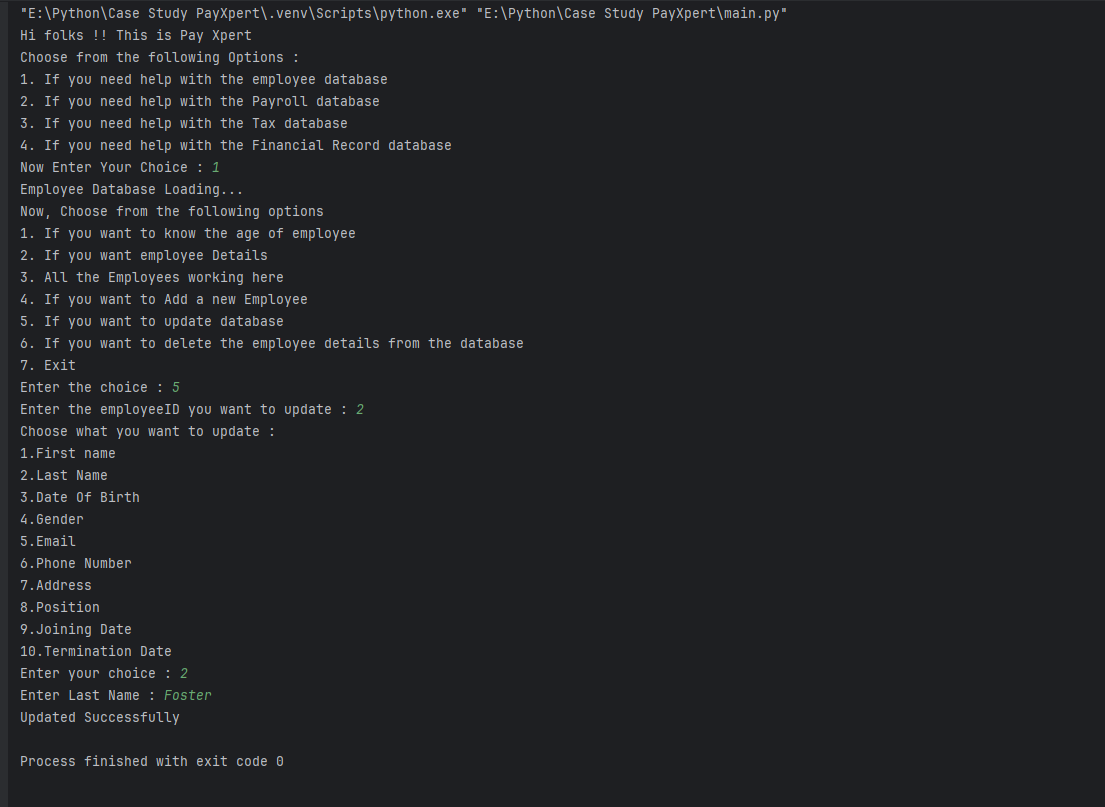
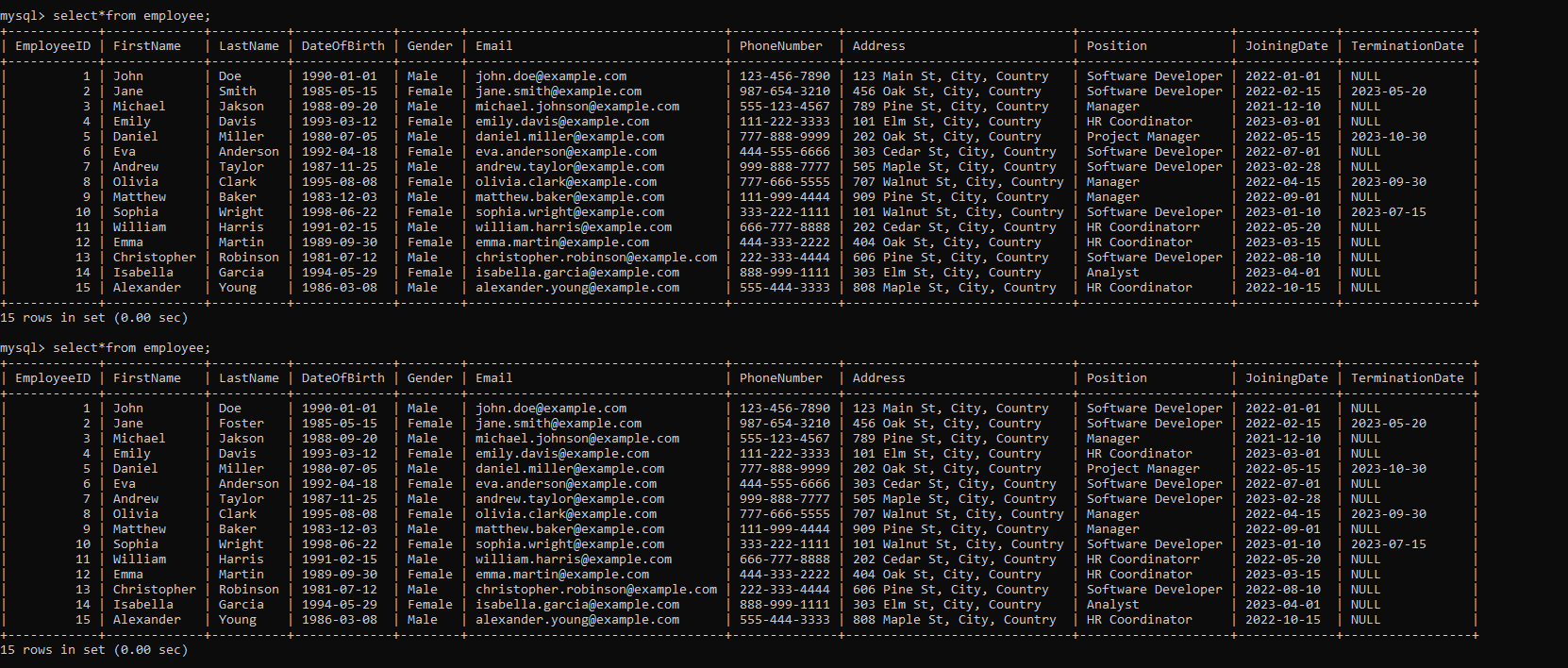
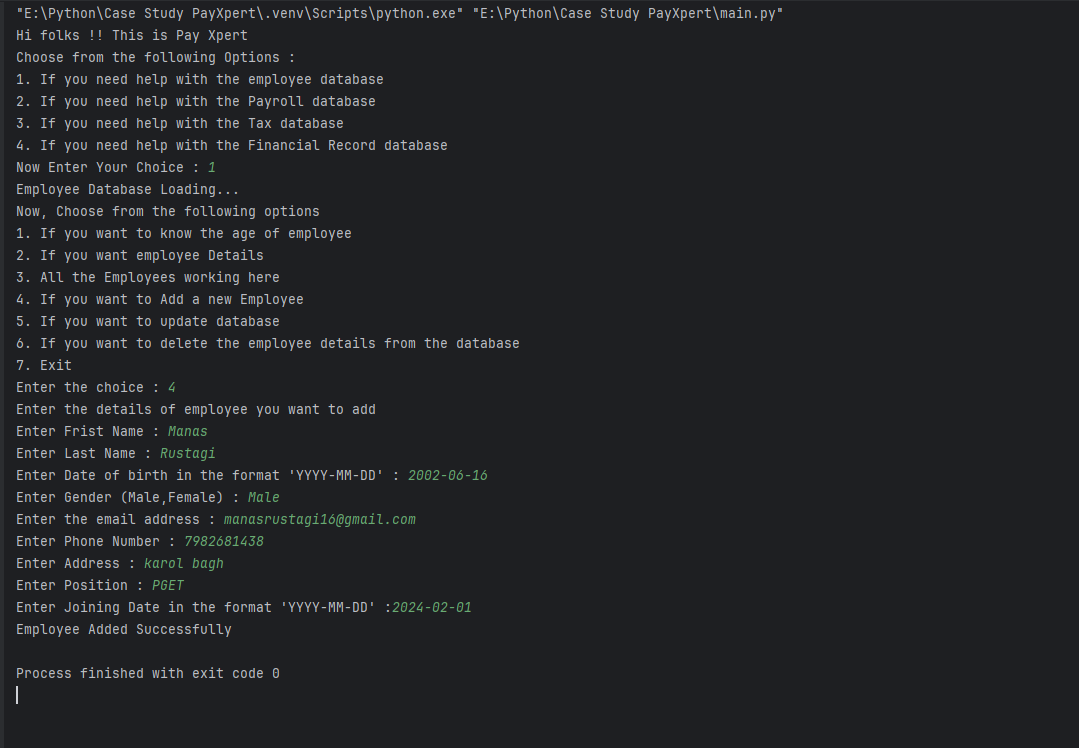
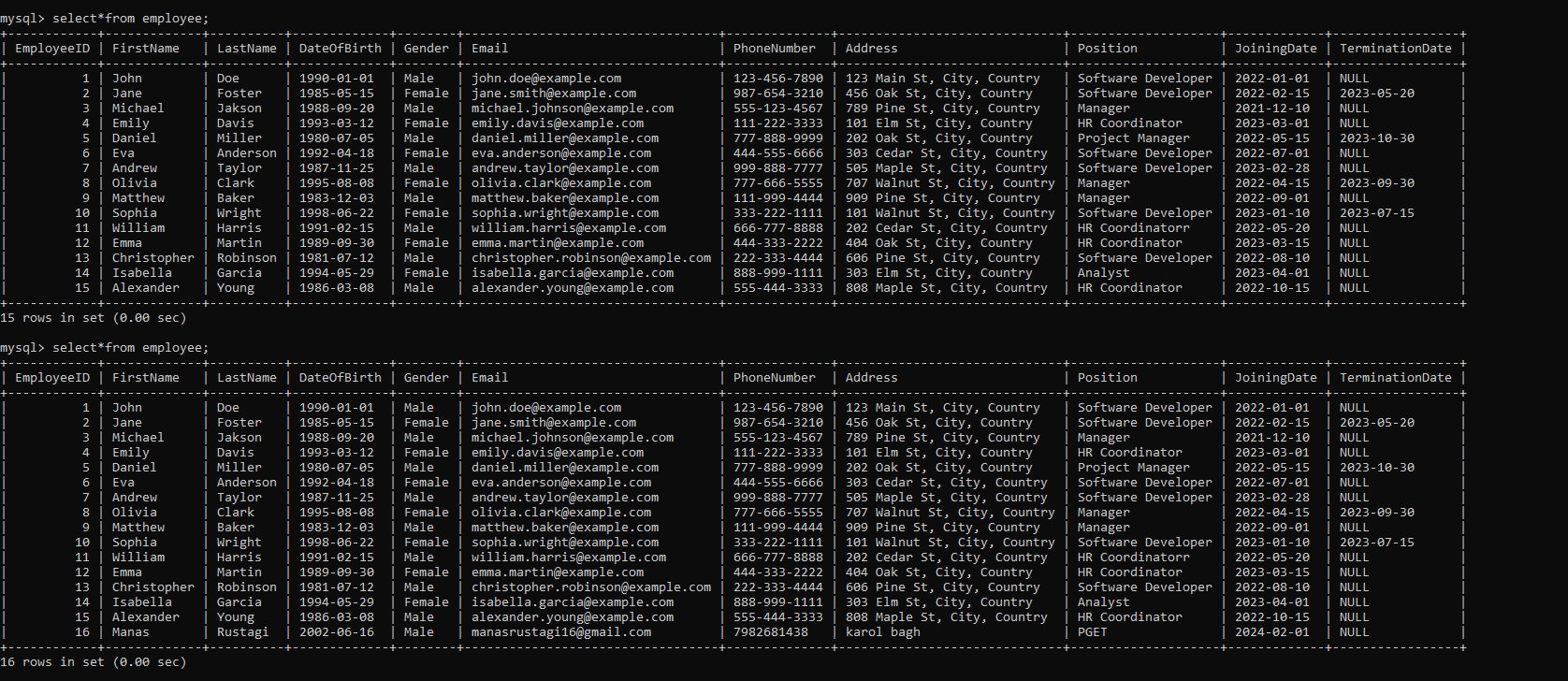
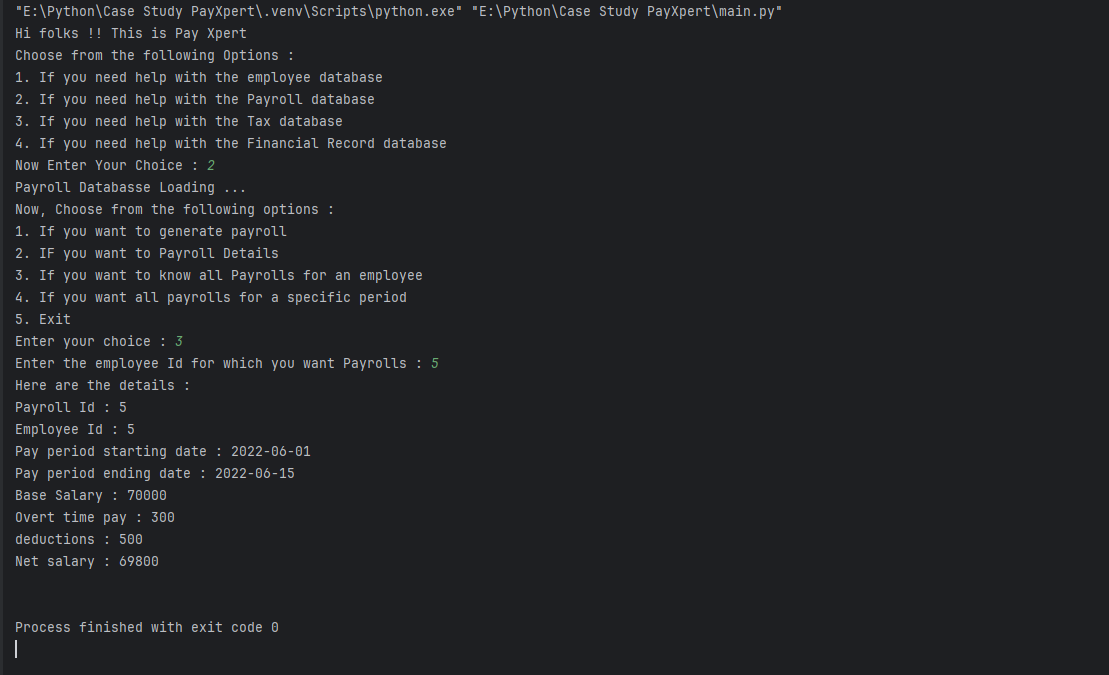
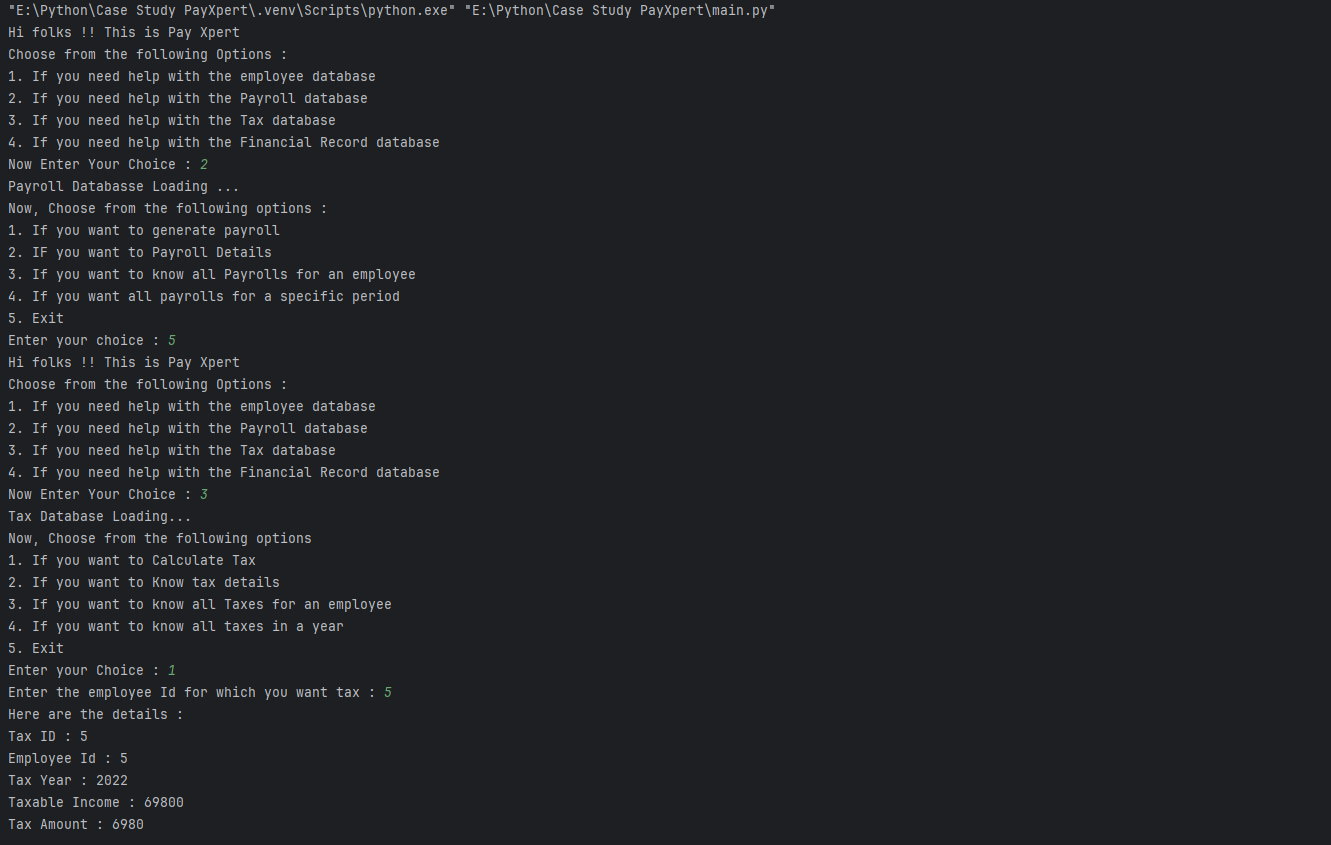
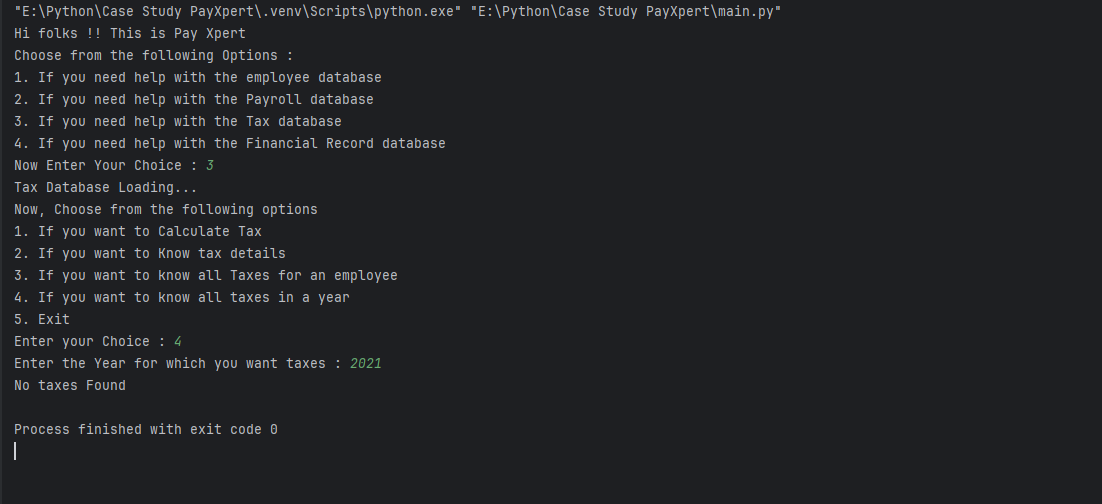
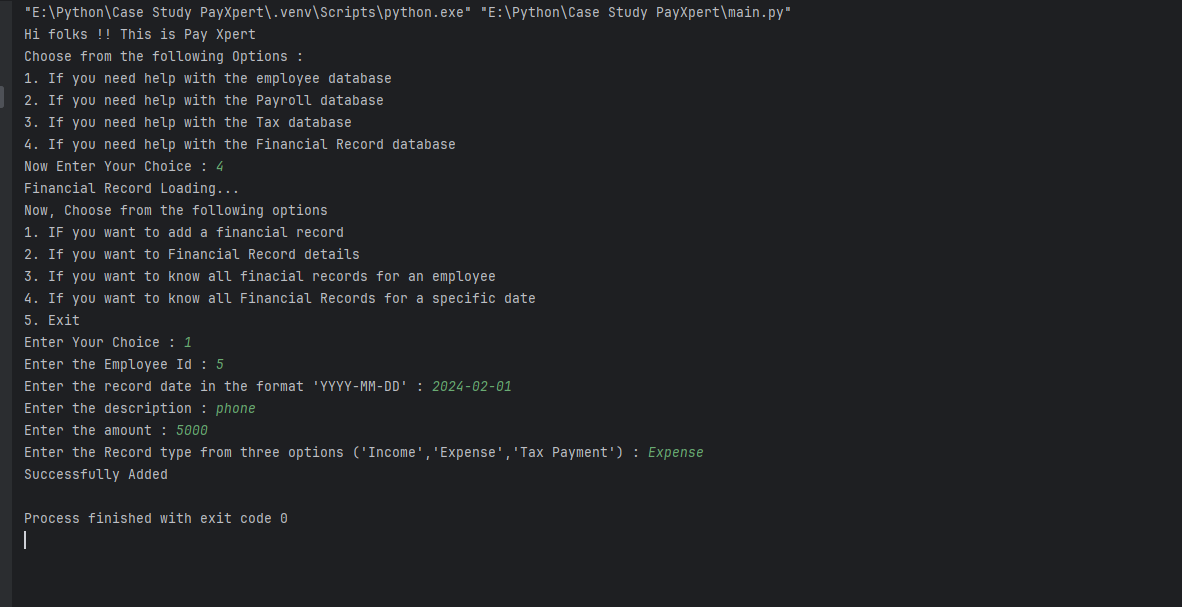
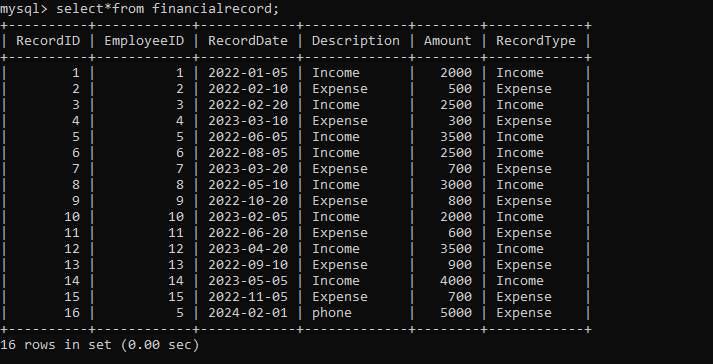
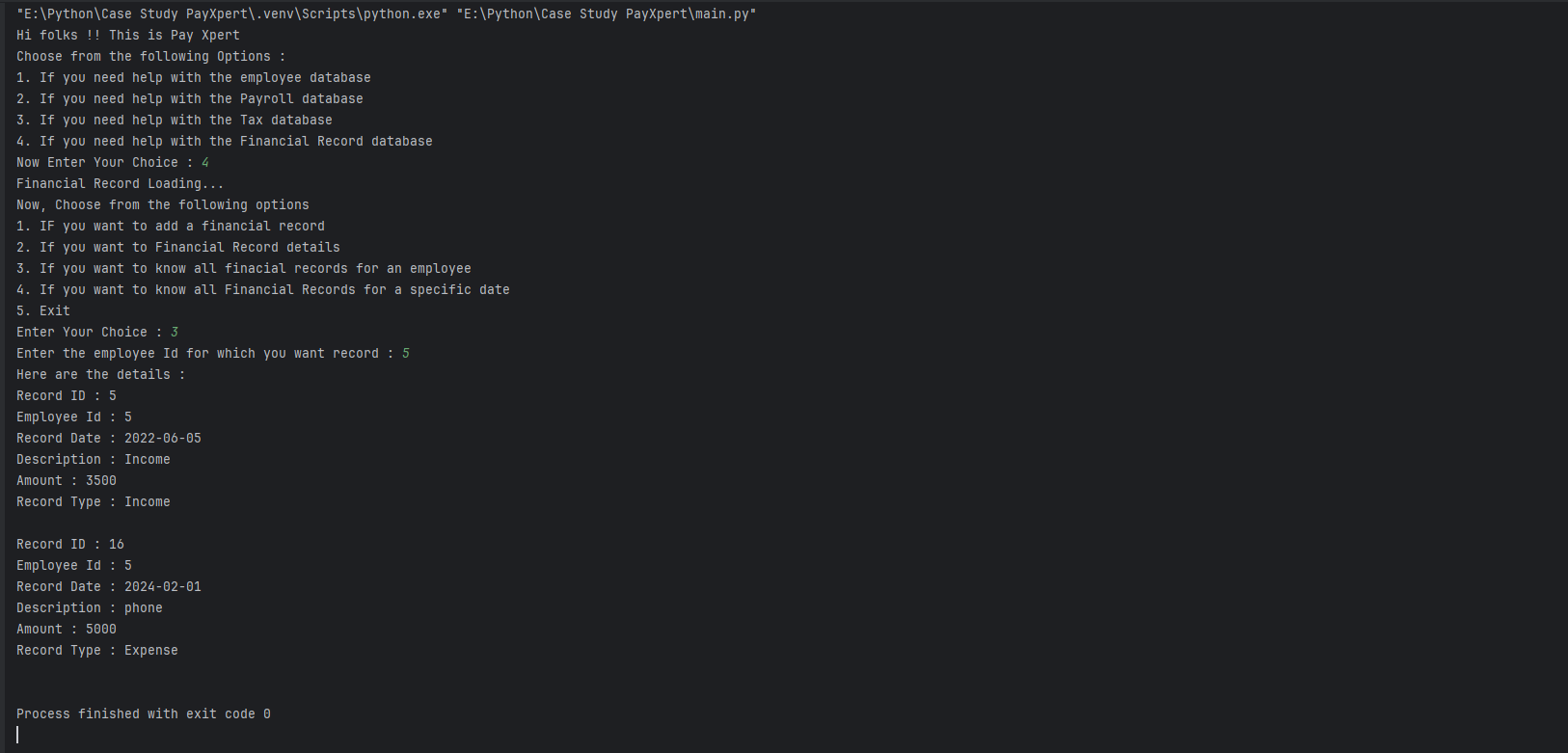
Output :









Exception

