

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help Payxpert - MainModule.py
Payxpert: main MainModule.py
Project Run MainModule.py Python tests in TestVerifyTaxCalculationForHighIncome.py
2. Generate Tax Report for a Year
3. Generate Financial Report for an Employee
4. View Report For An Employee
5. Back to Main Menu
Enter your choice: 3
Enter Employee ID: 1007

Financial Records for Employee ID: 1007
Record ID: 1008, Employee ID: 1007, Date: 2024-10-14, Description: Investments, Amount: 20000.00, Type: Debit
Record ID: 1009, Employee ID: 1007, Date: 2024-10-14, Description: salary, Amount: 90000.00, Type: Credit

Report Generation
1. Generate Payroll Report for a Period
2. Generate Tax Report for a Year
3. Generate Financial Report for an Employee
4. View Report For An Employee
5. Back to Main Menu
Enter your choice: 4
Enter Employee ID: 1007
Fetched Payroll Records: [<entity.Payroll.Payroll object at 0x0000023A3EA7AD90>]
Fetched Tax Records: [<entity.Tax.Tax object at 0x0000023A3EA87640>]
Fetched Financial Records: [<entity.FinancialRecord.FinancialRecord object at 0x0000023A3EA87600>]
Payroll Records:
{'Payroll ID': 1006, 'Employee ID': 1007, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('90000.00'), 'Overtime Pay': Decimal('3000.00'), 'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('87000.00'), 'Gross Salary': Decimal('93000.00')}

Tax Records:
TaxID: 1007, EmployeeID: 1007, TaxYear: 2024, TaxableIncome: 13500.00, TaxAmount: 2025.00

Financial Records:
Record ID: 1008, Employee ID: 1007, Date: 2024-10-14, Description: Investments, Amount: 20000.00, Type: Debit
Record ID: 1009, Employee ID: 1007, Date: 2024-10-14, Description: salary, Amount: 90000.00, Type: Credit

Report Generation
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Tests passed: 1 (today 10:16) 516:1 CRLF UTF-8 4 spaces Python 3.9 (Payxpert) (2)
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File Edit View Navigate Code Refactor Run Tools VCS Window Help Payxpert - MainModule.py
Payxpert: main MainModule.py
Project Run MainModule.py Python tests in TestVerifyTaxCalculationForHighIncome.py
1. Generate Payroll Report for a Period
2. Generate Tax Report for a Year
3. Generate Financial Report for an Employee
4. View Report For An Employee
5. Back to Main Menu
Enter your choice: 2
Enter Tax Year: 2024

Tax Report for Year: 2024
Tax ID: 4, Employee ID: 5, Tax Year: 2024, Taxable Income: 13500.00, Tax Amount: 2025.00
Tax ID: 1004, Employee ID: 8, Tax Year: 2024, Taxable Income: 14550.00, Tax Amount: 2182.50
Tax ID: 1005, Employee ID: 1005, Tax Year: 2024, Taxable Income: 14400.00, Tax Amount: 2160.00
Tax ID: 1006, Employee ID: 1006, Tax Year: 2024, Taxable Income: 12750.00, Tax Amount: 1912.50
Tax ID: 1007, Employee ID: 1007, Tax Year: 2024, Taxable Income: 13500.00, Tax Amount: 2025.00

Report Generation
1. Generate Payroll Report for a Period
2. Generate Tax Report for a Year
3. Generate Financial Report for an Employee
4. View Report For An Employee
5. Back to Main Menu
Enter your choice:
Fetched Payroll Records: [<entity.Payroll.Payroll object at 0x0000023A3EA7AD90>]
Fetched Tax Records: [<entity.Tax.Tax object at 0x0000023A3EA87640>]
Fetched Financial Records: [<entity.FinancialRecord.FinancialRecord object at 0x0000023A3EA87600>]
Payroll Records:
{'Payroll ID': 1006, 'Employee ID': 1007, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('90000.00'), 'Overtime Pay': Decimal('3000.00'), 'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('87000.00'), 'Gross Salary': Decimal('93000.00')}
{'Payroll ID': 1005, 'Employee ID': 1005, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('95000.00'), 'Overtime Pay': Decimal('2000.00'), 'Deductions': Decimal('6000.00'), 'Net Salary': Decimal('90500.00'), 'Gross Salary': Decimal('98000.00')}
{'Payroll ID': 1004, 'Employee ID': 8, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('93200.00'), 'Overtime Pay': Decimal('2500.00'), 'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('90500.00'), 'Gross Salary': Decimal('95000.00')}
{'Payroll ID': 1006, 'Employee ID': 1006, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('85000.00'), 'Overtime Pay': Decimal('3000.00'), 'Deductions': Decimal('2000.00'), 'Net Salary': Decimal('86000.00'), 'Gross Salary': Decimal('88000.00')}
{'Payroll ID': 1005, 'Employee ID': 1005, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('90000.00'), 'Overtime Pay': Decimal('3000.00'), 'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('87000.00'), 'Gross Salary': Decimal('93000.00')}
{'Payroll ID': 1007, 'Employee ID': 1007, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('90000.00'), 'Overtime Pay': Decimal('3000.00'), 'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('87000.00'), 'Gross Salary': Decimal('93000.00')}
{'Payroll ID': 1008, 'Employee ID': 1008, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('150000.00'), 'Overtime Pay': Decimal('15000.00'), 'Deductions': Decimal('14000.00'), 'Net Salary': Decimal('148000.00'), 'Gross Salary': Decimal('153000.00')}

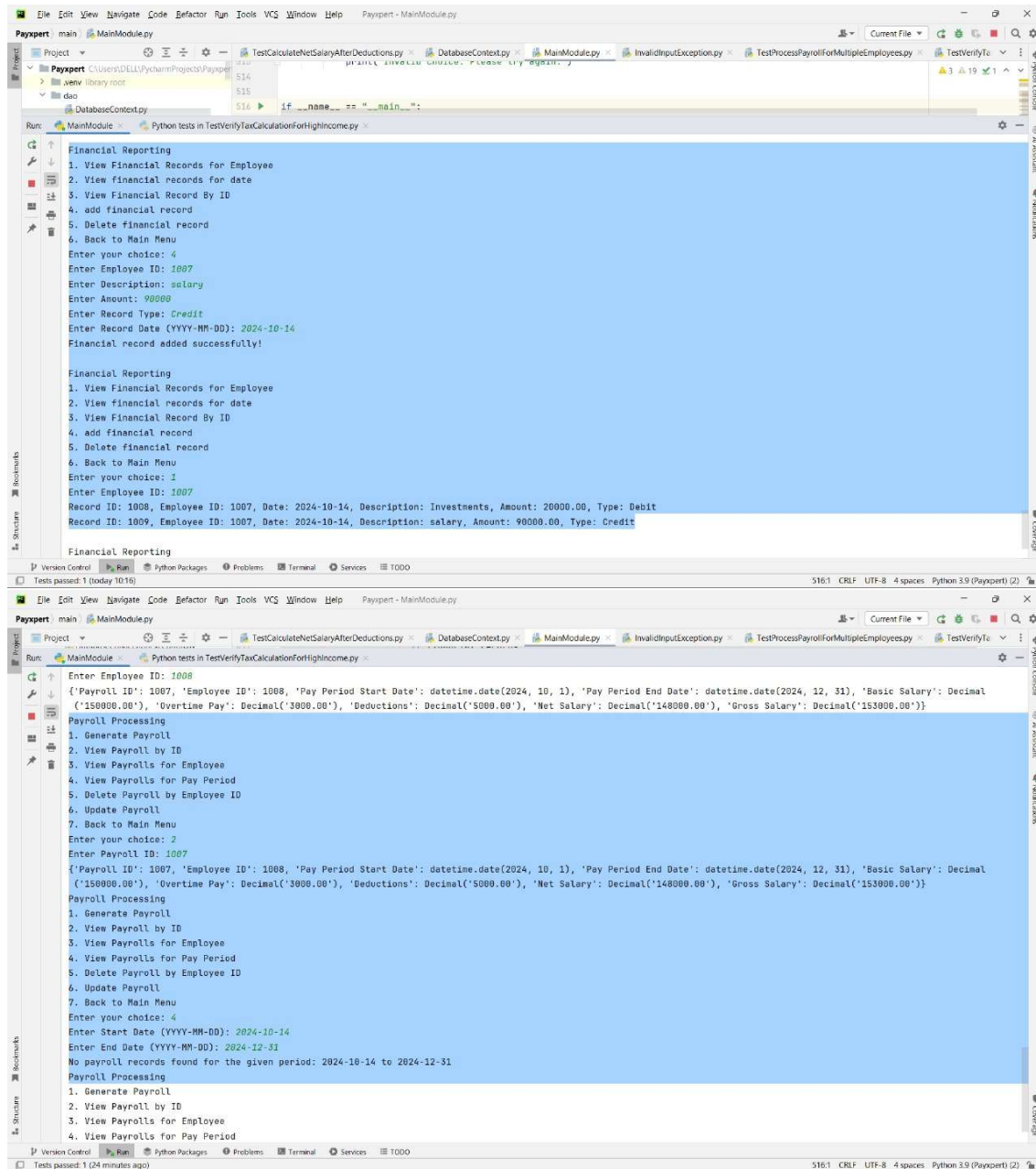
Tax Records:
TaxID: 1007, EmployeeID: 1007, TaxYear: 2024, TaxableIncome: 13500.00, TaxAmount: 2025.00
TaxID: 1004, EmployeeID: 8, TaxYear: 2024, TaxableIncome: 14550.00, TaxAmount: 2182.50
TaxID: 1005, EmployeeID: 1005, TaxYear: 2024, TaxableIncome: 14400.00, TaxAmount: 2160.00
TaxID: 1006, EmployeeID: 1006, TaxYear: 2024, TaxableIncome: 12750.00, TaxAmount: 1912.50
TaxID: 1007, EmployeeID: 1007, TaxYear: 2024, TaxableIncome: 13500.00, TaxAmount: 2025.00

Financial Records:
Record ID: 1008, Employee ID: 1007, Date: 2024-10-14, Description: Investments, Amount: 20000.00, Type: Debit
Record ID: 1009, Employee ID: 1007, Date: 2024-10-14, Description: salary, Amount: 90000.00, Type: Credit

Report Generation
Version Control Run Problems Terminal Services TODO Python Packages
Tests passed: 1 (today 10:16) 516:1 CRLF UTF-8 4 spaces Python 3.9 (Payxpert) (2)
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```
File Edit View Navigate Code Refactor Run Tools VCS Window Help Payspert - MainModule.py
Payspert: main MainModule.py
Project
Run MainModule.py Python tests in TestVerifyTaxCalculatorForHighIncome.py
Enter your choice: 0
Employee Management System
1. Manage Employees
2. Process Payroll
3. Calculate Tax
4. Financial Reporting
5. Generate Report
6. Exit
Enter your choice: 5
Report Generation
1. Generate Payroll Report for a Period
2. Generate Tax Report for a Year
3. Generate Financial Report for an Employee
4. View Report For An Employee
5. Back to Main Menu
Enter your choice: 1
Enter Start Date (YYYY-MM-DD): 2024-10-01
Enter End Date (YYYY-MM-DD): 2024-12-31
Payroll Report from 2024-10-01 to 2024-12-31:
{Payroll ID: 3, Employee ID: 5, 'Pay Period Start Date': datetime.date(2024, 10, 13), 'Pay Period End Date': datetime.date(2024, 11, 13), 'Basic Salary': Decimal('93000.00'), 'Overtime Pay': Decimal('1200.00'),
'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('88000.00'), 'Gross Salary': Decimal('93200.00')}
{Payroll ID: 3003, Employee ID: 8, 'Pay Period Start Date': datetime.date(2024, 10, 13), 'Pay Period End Date': datetime.date(2024, 12, 13), 'Basic Salary': Decimal('97000.00'), 'Overtime Pay': Decimal('2500.00'),
'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('93200.00'), 'Gross Salary': Decimal('99500.00')}
{Payroll ID: 1004, Employee ID: 1005, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('90000.00'), 'Overtime Pay': Decimal('2000.00'),
'Deductions': Decimal('6000.00'), 'Net Salary': Decimal('95000.00'), 'Gross Salary': Decimal('98000.00')}
{Payroll ID: 1005, Employee ID: 1005, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('85000.00'), 'Overtime Pay': Decimal('3000.00'),
'Deductions': Decimal('2000.00'), 'Net Salary': Decimal('86000.00'), 'Gross Salary': Decimal('88000.00')}
{Payroll ID: 1006, Employee ID: 1007, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('90000.00'), 'Overtime Pay': Decimal('3000.00'),
'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('87000.00'), 'Gross Salary': Decimal('92000.00')}
{Payroll ID: 1007, Employee ID: 1008, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('150000.00'), 'Overtime Pay': Decimal('3000.00'),
'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('148000.00'), 'Gross Salary': Decimal('153000.00')}
Report Generation
1. Generate Payroll Report for a Period
2. Generate Tax Report for a Year
3. Generate Financial Report for an Employee
4. View Report For An Employee
5. Back to Main Menu
Enter your choice:
Version Control Run Problems Terminal Services TODO Python Packages
Tests passed: 1 (today 10:16) 516:1 CRLF UTF-8 4 spaces Python 3.9 (Payspert) (2)
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```
File Edit View Navigate Code Refactor Run Tools VCS Window Help Payspert - MainModule.py
Payspert: main MainModule.py
Project
Run MainModule.py Python tests in TestVerifyTaxCalculatorForHighIncome.py
Financial Reporting
1. View Financial Records for Employee
2. View financial records for date
3. View Financial Record By ID
4. add financial record
5. Delete financial record
6. Back to Main Menu
Enter your choice: 2
Enter Record Date (YYYY-MM-DD): 2024-10-14
Record ID: 1007, Employee ID: 1006, Date: 2024-10-14, Description: Loan EMI, Amount: 20000.00, Type: debit
Record ID: 1008, Employee ID: 1007, Date: 2024-10-14, Description: Investments, Amount: 20000.00, Type: Debit
Record ID: 1009, Employee ID: 1007, Date: 2024-10-14, Description: salary, Amount: 90000.00, Type: Credit
Financial Reporting
1. View Financial Records for Employee
2. View financial records for date
3. View Financial Record By ID
4. add financial record
5. Delete financial record
6. Back to Main Menu
Enter your choice: 3
Enter Record ID: 1007
Record ID: 1007, Employee ID: 1006, Date: 2024-10-14, Description: Loan EMI, Amount: 20000.00, Type: debit
Financial Reporting
1. View Financial Records for Employee
2. View financial records for date
3. View Financial Record By ID
4. add financial record
5. Delete financial record
6. Back to Main Menu
Enter your choice:
Version Control Run Problems Terminal Services TODO Python Packages
Tests passed: 1 (today 10:16) 516:1 CRLF UTF-8 4 spaces Python 3.9 (Payspert) (2)
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PayExpert - MainModule.py
File Edit View Navigate Code Refactor Run Tools VCS Window Help
Project MainModule.py
Run: MainModule.py Python tests in TestVerifyTaxCalculationForHighIncome.py
6. Update Payroll
7. Back to Main Menu
Enter your choice: 1
Enter Employee ID: 1008
Enter Pay Period Start Date (YYYY-MM-DD): 2024-10-01
Enter Pay Period End Date (YYYY-MM-DD): 2024-12-31
Enter Basic Salary: 150000
Enter Overtime Pay: 3000
Enter Deductions: 5000
Payroll generated successfully for Employee ID: 1008
Payroll generated successfully!
Payroll Processing
1. Generate Payroll
2. View Payroll by ID
3. View Payrolls for Employee
4. View Payrolls for Pay Period
5. Delete Payroll by Employee ID
6. Update Payroll
7. Back to Main Menu
Enter your choice: 3
Enter Employee ID: 1008
{'Payroll ID': 1007, 'Employee ID': 1008, 'Pay Period Start Date': datetime.date(2024, 10, 1), 'Pay Period End Date': datetime.date(2024, 12, 31), 'Basic Salary': Decimal('150000.00'), 'Overtime Pay': Decimal('3000.00'), 'Deductions': Decimal('5000.00'), 'Net Salary': Decimal('148000.00'), 'Gross Salary': Decimal('153000.00')}
Payroll Processing
1. Generate Payroll
2. View Payroll by ID
3. View Payrolls for Employee
4. View Payrolls for Pay Period
5. Delete Payroll by Employee ID
6. Update Payroll
7. Back to Main Menu
Enter your choice:

PayExpert - MainModule.py
File Edit View Navigate Code Refactor Run Tools VCS Window Help
Project MainModule.py
Run: MainModule.py Python tests in TestVerifyTaxCalculationForHighIncome.py
Employee Management System
1. Manage Employees
2. Process Payroll
3. Calculate Tax
4. Financial Reporting
5. Generate Report
6. Exit
Enter your choice: 2
Payroll Processing
1. Generate Payroll
2. View Payroll by ID
3. View Payrolls for Employee
4. View Payrolls for Pay Period
5. Delete Payroll by Employee ID
6. Update Payroll
7. Back to Main Menu
Enter your choice: 1
Enter Employee ID: 1008
Enter Pay Period Start Date (YYYY-MM-DD): 2024-10-01
Enter Pay Period End Date (YYYY-MM-DD): 2024-12-31
Enter Basic Salary: 150000
Enter Overtime Pay: 3000
Enter Deductions: 5000
Payroll generated successfully for Employee ID: 1008
Payroll generated successfully!
Payroll Processing
1. Generate Payroll
2. View Payroll by ID
3. View Payrolls for Employee
4. View Payrolls for Pay Period
5. Delete Payroll by Employee ID
```

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help Paypert - MainModule.py
Paypert: main MainModule.py
Project
Run MainModule Python tests in TestVerifyTaxCalculationForHighIncome.py
Employee Management
1. Add Employee
2. Update Employee
3. Remove Employee
4. View Employee by ID
5. View All Employees
6. Back to Main Menu
Enter your choice: 4
Enter Employee ID: 1008
EmployeeID: 1008, FirstName: Rohit, LastName: Sharma, DateOfBirth: 2001-01-01, Gender: male, Email: rohitsharma0101@gmail.com, Phone: 6758934523, Address: 34, Indore, M.P., Position: SCRUM Master, Salary: 150000.00, JoiningDate: 2025-01-02, TerminationDate: None

Employee Management
1. Add Employee
2. Update Employee
3. Remove Employee
4. View Employee by ID
5. View All Employees
6. Back to Main Menu
Enter your choice: 2
Enter Employee ID to update: 1008
Enter First Name [Rohit]:
Enter Last Name [Sharma]:
Enter Date of Birth (YYYY-MM-DD) [2001-01-01]:
Enter Gender [male]:
Enter Email [rohitsharma0101@gmail.com]:
Enter Phone Number [6758934523]: 7645234651
Enter Address [34, Indore, M.P]: 45, Delhi, India
Enter Position [SCRUM Master]: Data Engineer
Enter Salary [150000.00]: 152000
Enter Joining Date (YYYY-MM-DD) [2025-01-02]: 2024-12-08

Paypert: main MainModule.py
Project
Run MainModule Python tests in TestVerifyTaxCalculationForHighIncome.py
Tests passed: 1 (18 minutes ago)
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File Edit View Navigate Code Refactor Run Tools VCS Window Help Paypert - MainModule.py
Paypert: main MainModule.py
Project
Run MainModule Python tests in TestVerifyTaxCalculationForHighIncome.py
Enter Employee ID to update: 1009
Error: EmployeeNotFoundException: Employee with ID 1009 not found.

Employee Management
1. Add Employee
2. Update Employee
3. Remove Employee
4. View Employee by ID
5. View All Employees
6. Back to Main Menu
Enter your choice: 5
EmployeeID: 5, FirstName: shreyansh, LastName: sharma, DateOfBirth: 2002-03-27, Gender: Male, Email: shreyanshsharma010@gmail.com, Phone: 7668293089, Address: 491, saket ,delhi, Position: SDET, Salary: 90000.00, JoiningDate: 2024-11-01, TerminationDate: None
EmployeeID: 8, FirstName: yash, LastName: pandey, DateOfBirth: 2002-02-12, Gender: male, Email: yashpandey342@gmail.com, Phone: 6753428976, Address: 564, lucknow, Position: AI engineer, Salary: 95000.00, JoiningDate: 2024-11-05, TerminationDate: None
EmployeeID: 1005, FirstName: devesh, LastName: kunar, DateOfBirth: 2001-11-06, Gender: Male, Email: deveshkumar342@gmail.com, Phone: 7658934526, Address: 567, dwarka, delhi, Position: AI/ML engineer, Salary: 94000.00, JoiningDate: 2024-11-07, TerminationDate: None
EmployeeID: 1006, FirstName: Ram, LastName: kunar, DateOfBirth: 2002-06-01, Gender: male, Email: ramkumar544@gmail.com, Phone: 5346723412, Address: 34, vinayakas, mumbai, Position: App Developer, Salary: 85000.00, JoiningDate: 2024-10-14, TerminationDate: None
EmployeeID: 1007, FirstName: Ramesh, LastName: Kunar, DateOfBirth: 2002-04-12, Gender: male, Email: rameshkumar241@gmail.com, Phone: 75648934256, Address: Atlasian tower , Pune, Position: HR manager, Salary: 90000.00, JoiningDate: 2024-11-08, TerminationDate: None
EmployeeID: 1008, FirstName: Rohit, LastName: Sharma, DateOfBirth: 2001-01-01, Gender: male, Email: rohitsharma0101@gmail.com, Phone: 6758934523, Address: 34, Indore, M.P., Position: SCRUM Master, Salary: 150000.00, JoiningDate: 2025-01-02, TerminationDate: None

Employee Management
1. Add Employee
2. Update Employee
3. Remove Employee
4. View Employee by ID
5. View All Employees
6. Back to Main Menu
Enter your choice:
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File Edit View Navigate Code Refactor Run Tools VCS Window Help Payxpert - MainModule.py
Payxpert: main MainModule.py
Project
Run C:\Users\DELL\PycharmProjects\Payxpert\.venv\Scripts\python.exe C:\Users\DELL\PycharmProjects\Payxpert\main\MainModule.py
Database connection successful.
Employee Management System
1. Manage Employees
2. Process Payroll
3. Calculate Tax
4. Financial Reporting
5. Generate Report
6. Exit
Enter your choice: 1
Employee Management
1. Add Employee
2. Update Employee
3. Remove Employee
4. View Employee by ID
5. View All Employees
6. Back to Main Menu
Enter your choice: 1
Enter First Name: Rohit
Enter Last Name: Sharma
Enter Date of Birth (YYYY-MM-DD): 2001-01-01
Enter Gender: male
Enter Email: rohitsharma0101@gmail.com
Enter Phone Number: 6758934523
Enter Address: 34, Indore, M.P
Enter Position: SCRUM Master
Enter Salary: 150000
Enter Joining Date (YYYY-MM-DD): 2025-01-02
Enter Termination Date (YYYY-MM-DD) [optional]:
Employee added successfully.
Version Control Run Python Packages Problems Terminal Services TOOLS
Tests passed: 1 (12 minutes ago) 516:1 CRLF UTF-8 4 spaces Python 3.9 (Payxpert) (2)
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