

Snippet Outputs:

```
C:\Users\lapinig\source\repos\ConsoleApp10\bin\Debug\ConsoleApp10.exe
AutoPayCalc - Automated Payroll Calculator
-----
1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 1

Add Employee
-----
Choose Employee Department:
a.HR
b.IT
c.FINANCE
Enter your choice (a/b/c): a
Choose Employee Position (Human-Resource Department):
a.HR Director
b.HR Manager
c.HR Assistant
Enter your choice (a/b/c): a
Enter Employee Name: John
Enter Employee Age: 20
Enter Employee Address: Ubca
Employee ID: 8928
Estimations/range of hourly rates for HR Director:
Minimum (Entry-Level to Mid-Level HR Director): Around PHP 500 to PHP 800 per hour
Maximum (Experienced or Senior HR Director): Around PHP 1,000 to PHP 1,500 per hour
Enter Hourly Rate (between 500 and 1500): Php550

Employee Added Successfully!
AutoPayCalc - Automated Payroll Calculator
-----
1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 1

Add Employee
-----
Choose Employee Department:
a.HR
b.IT
c.FINANCE
```

```
C:\Users\lapinig\source\repos\ConsoleApp10\bin\Debug\ConsoleApp10.exe
Enter your choice: 1

Add Employee
-----
Choose Employee Department:
a.HR
b.IT
c.FINANCE
Enter your choice (a/b/c): c
Choose Employee Position (Finance Department):
a.Accountant
b.Finance Manager
c.Financial Analyst
Enter your choice (a/b/c): c
Enter Employee Name: Jamel
Enter Employee Age: 15
Enter Employee Address: sad
Employee ID: 5269
Estimations/range of hourly rates for FinancialAnalyst:
Minimum (Entry-Level to Mid-Level FinancialAnalyst): Around PHP 600 to PHP 900 per hour
Maximum (Experienced or Senior FinancialAnalyst): Around PHP 1,000 to PHP 1,500 per hour
Enter Hourly Rate (between 600 and 1500): Php1500

Employee Added Successfully!
AutoPayCalc - Automated Payroll Calculator
-----
1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 2

Calculate Payroll
-----
| Available Employee IDs |
|-----|
| 8928 |
| 6563 |
| 5269 |
|-----|
Enter Employee ID: 1234
Employee not found.
AutoPayCalc - Automated Payroll Calculator
-----
1. Add Employee
2. Calculate Payroll
3. Update Employee
```

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Enter Employee ID: 1234
Employee not found.

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 2

Calculate Payroll

Available Employee IDs
8928
6563
5269

Enter Employee ID: 8928
Enter Hours Worked for John: 8

Payroll Summary

Employee Name: John
Employee ID: 8928
Age: 20
Address: Ubcu
Department: HR
Position: HRDirector
Hourly Rate: Php550
Hours Worked: 8 hours
AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 2

Calculate Payroll

Available Employee IDs

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Calculate Payroll

Available Employee IDs
8928
6563
5269

Enter Employee ID: 8928
John's payroll is already calculated.

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 2

Calculate Payroll

Available Employee IDs
8928
6563
5269

Enter Employee ID: 6563
Enter Hours Worked for Kent: 7

Payroll Summary

Employee Name: Kent
Employee ID: 6563
Age: 21
Address: asd
Department: IT
Position: ITManager
Hourly Rate: Php1525
Hours Worked: 7 hours
AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips

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AutoPayCalc - Automated Payroll Calculator

```
-----
1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 2
```

Calculate Payroll

```
-----
| Available Employee IDs |
|-----|
| 8928 |
| 6563 |
| 5269 |
|-----|
```

Enter Employee ID: 5269

Enter Hours Worked for Jamel: 6

Payroll Summary

```
-----
Employee Name: Jamel
Employee ID: 5269
Age: 15
Address: sad
Department: FINANCE
Position: FinancialAnalyst
Hourly Rate: Php1500
Hours Worked: 6 hours
AutoPayCalc - Automated Payroll Calculator
```

```
-----
1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 5
```

Payslip Summary

```
-----
| Employee Name: John
| Employee ID: 8928
| Age: 20
| Address: Ubca
```

C:\Users\lapinig\source\repos\ConsoleApp10\bin\Debug\ConsoleApp10.exe

Payslip Summary

```
-----
| Employee Name: John
| Employee ID: 8928
| Age: 20
| Address: Ubca
| Department: HR
| Position: HRDirector (Entry to Mid-Level) Level
| Hourly Rate: Php550
| Hours Worked: 8 hours
| Gross Pay: Php4400
| Income Tax: Php660
| Net Pay: Php3740
|-----|
| Employee Name: Kent
| Employee ID: 6563
| Age: 21
| Address: sad
| Department: IT
| Position: ITManager (Experienced/Senior) Level
| Hourly Rate: Php1525
| Hours Worked: 7 hours
| Gross Pay: Php10675
| Income Tax: Php1601.25
| Net Pay: Php9073.75
|-----|
| Employee Name: Jamel
| Employee ID: 5269
| Age: 15
| Address: sad
| Department: FINANCE
| Position: FinancialAnalyst (Experienced/Senior) Level
| Hourly Rate: Php1500
| Hours Worked: 6 hours
| Gross Pay: Php9000
| Income Tax: Php1350
| Net Pay: Php7650
|-----|
```

AutoPayCalc - Automated Payroll Calculator

```
-----
1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
```

Enter your choice: 6

Enter file name to save: PayslipSummaryPartial

Employee data saved to PayslipSummaryPartial.csv

C:\Users\lapin\source\repos\ConsoleApp10\bin\Debug\ConsoleApp10.exe

Employee data saved to PayslipSummaryPartial.csv
AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 4

Delete Employee

```
-----
| Available Employee IDs |
| 8928                    |
| 6563                    |
| 5269                    |
|                         |
|-----|
```

Enter Employee ID to delete: 8928

Employee Deleted Successfully!

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 3

Update Employee

```
-----
| Available Employee IDs |
| 6563                    |
| 5269                    |
|                         |
|-----|
```

Enter Employee ID to update: 6563

Enter new Employee Name: Lord Kent

Enter new Hourly Rate for IT Manager (between 800 and 2500): Php1550

Employee Updated Successfully!

AutoPayCalc - Automated Payroll Calculator

1. Add Employee

C:\Users\lapin\source\repos\ConsoleApp10\bin\Debug\ConsoleApp10.exe

Employee Updated Successfully!

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 2

Calculate Payroll

```
-----
| Available Employee IDs |
| 6563                    |
| 5269                    |
|                         |
|-----|
```

Enter Employee ID: 6563

Enter Hours Worked for Lord Kent: 7

Payroll Summary

```
-----
Employee Name: Lord Kent
Employee ID: 6563
Age: 21
Address: asd
Department: IT
Position: ITManager
Hourly Rate: Php1550
Hours Worked: 7 hours
```

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 5

Payslip Summary

```
-----
| Employee Name:  Lord Kent
| Employee ID:    6563
| Age:            21
| Address:        asd
```

C:\Users\lapinig\source\repos\ConsoleApp10\bin\Debug\ConsoleApp10.exe

Payslip Summary

Employee Name: Lord Kent
Employee ID: 6563
Age: 21
Address: asd
Department: IT
Position: ITManager (Experienced/Senior) Level
Hourly Rate: Php1550
Hours Worked: 7 hours
Gross Pay: Php10850
Income Tax: Php1627.5
Net Pay: Php9222.5

Employee Name: Jamel
Employee ID: 5269
Age: 15
Address: sad
Department: FINANCE
Position: FinancialAnalyst (Experienced/Senior) Level
Hourly Rate: Php1500
Hours Worked: 6 hours
Gross Pay: Php9000
Income Tax: Php1350
Net Pay: Php7650

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 6
Enter file name to save: PayslipSummaryFinal
Employee data saved to PayslipSummaryFinal.csv

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 7
Enter file name to load: PayslipSummaryPartial

C:\Users\lapinig\source\repos\ConsoleApp10\bin\Debug\ConsoleApp10.exe

7. Load from File
8. Exit

Enter your choice: 7
Enter file name to load: PayslipSummaryPartial
Loading employee data from file: PayslipSummaryPartial.csv
Reading line: John,8928,20,Ubca,HR,HRDirector,550,8,4400,660,3740,True,False
Reading line: Kent,6563,21,asd,IT,ITManager,1525,7,10675,1601.25,9073.75,True,False
Reading line: Jamel,5269,15,sad,FINANCE,FinancialAnalyst,1500,6,9000,1350,7650,True,False
Employee data loaded from PayslipSummaryPartial.csv
Employee data loaded successfully.

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 5

Payslip Summary

Employee Name: John
Employee ID: 8928
Age: 20
Address: Ubca
Department: HR
Position: HRDirector (Entry to Mid-Level) Level
Hourly Rate: Php550
Hours Worked: 8 hours
Gross Pay: Php4400
Income Tax: Php660
Net Pay: Php3740

Employee Name: Kent
Employee ID: 6563
Age: 21
Address: asd
Department: IT
Position: ITManager (Experienced/Senior) Level
Hourly Rate: Php1525
Hours Worked: 7 hours
Gross Pay: Php10675
Income Tax: Php1601.25
Net Pay: Php9073.75

Employee Name: Jamel
Employee ID: 5269
Age: 15
Address: sad

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```
| Employee Name: John
| Employee ID: 8928
| Age: 20
| Address: Ubca
| Department: HR
| Position: HRDirector (Entry to Mid-Level) Level
| Hourly Rate: Php550
| Hours Worked: 8 hours
| Gross Pay: Php4400
| Income Tax: Php660
| Net Pay: Php3740
```

```
-----
| Employee Name: Kent
| Employee ID: 6563
| Age: 21
| Address: asd
| Department: IT
| Position: ITManager (Experienced/Senior) Level
| Hourly Rate: Php1525
| Hours Worked: 7 hours
| Gross Pay: Php10675
| Income Tax: Php1601.25
| Net Pay: Php9073.75
```

```
-----
| Employee Name: Jamel
| Employee ID: 5269
| Age: 15
| Address: sad
| Department: FINANCE
| Position: FinancialAnalyst (Experienced/Senior) Level
| Hourly Rate: Php1500
| Hours Worked: 6 hours
| Gross Pay: Php9000
| Income Tax: Php1350
| Net Pay: Php7650
```

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 7

Enter file name to load: PayslipSummaryFinal

Loading employee data from file: PayslipSummaryFinal.csv

Reading line: John,8928,20,Ubca,HR,HRDirector,550,8,4400,660,3740,True,True

Reading line: Lord Kent,6563,21,asd,IT,ITManager,1550,7,10850,1627.5,9222.5,True,False

Reading line: Jamel,5269,15,sad,FINANCE,FinancialAnalyst,1500,6,9000,1350,7650,True,False

Employee data loaded from PayslipSummaryFinal.csv

Employee data loaded successfully.

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit

Enter your choice: 5

Payslip Summary

```
-----
| Employee Name: Lord Kent
| Employee ID: 6563
| Age: 21
| Address: asd
| Department: IT
| Position: ITManager (Experienced/Senior) Level
| Hourly Rate: Php1550
| Hours Worked: 7 hours
| Gross Pay: Php10850
| Income Tax: Php1627.5
| Net Pay: Php9222.5
```

```
-----
| Employee Name: Jamel
| Employee ID: 5269
| Age: 15
| Address: sad
| Department: FINANCE
| Position: FinancialAnalyst (Experienced/Senior) Level
| Hourly Rate: Php1500
| Hours Worked: 6 hours
| Gross Pay: Php9000
| Income Tax: Php1350
| Net Pay: Php7650
```

AutoPayCalc - Automated Payroll Calculator

1. Add Employee
2. Calculate Payroll
3. Update Employee

C:\Users\lapinig\source\repos\LAPINIG-FINAL PROJECT\bin\Debug\LAPINIG-FINAL PROJECT.exe

AutoPayCalc - Automated Payroll Calculator

```
-----
1. Add Employee
2. Calculate Payroll
3. Update Employee
4. Delete Employee
5. View Payslips
6. Save to File
7. Load from File
8. Exit
Enter your choice: 8
```

Add Employee

Enter Employee Name: John123n

Invalid input: Invalid employee name. Employee name cannot be empty, contain digits, or special characters.

Add Employee

Enter Employee Name: John

Employee ID: 2965

Enter Hourly Rate: PhpFive Hundred

Invalid input format. Please enter a valid number.

