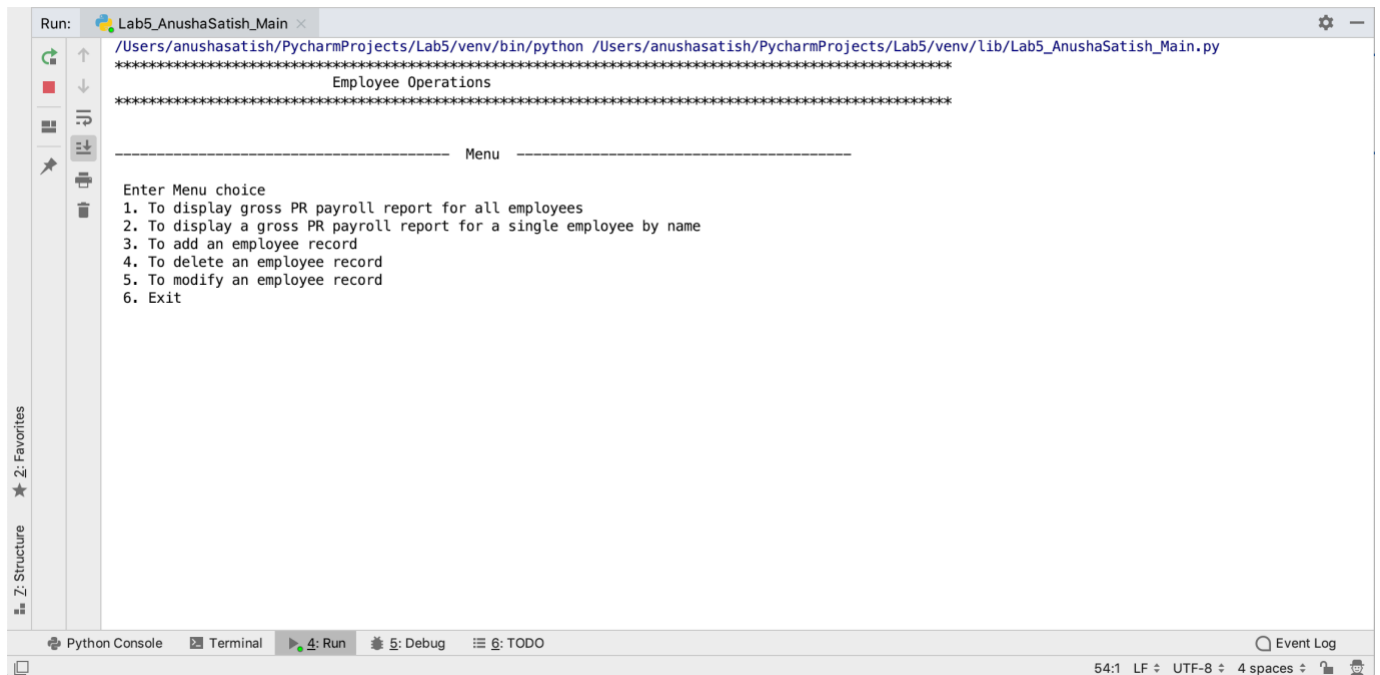


OUTPUT:

## Menu Display



The screenshot shows the PyCharm Run window for a file named 'Lab5\_AnushaSatish\_Main.py'. The output in the console is as follows:

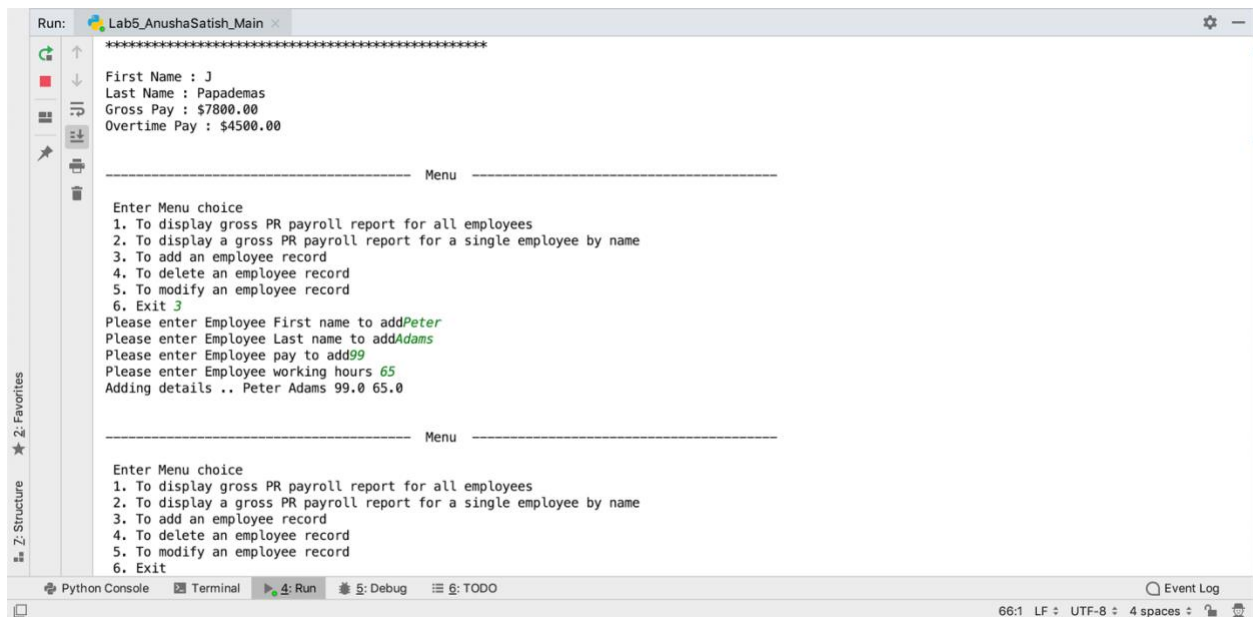
```
Run: Lab5_AnushaSatish_Main x
/Users/anushasatish/PycharmProjects/Lab5/venv/bin/python /Users/anushasatish/PycharmProjects/Lab5/venv/lib/Lab5_AnushaSatish_Main.py
*****
Employee Operations
*****

----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit
```

The interface includes a left sidebar with 'Z: Structure' and '2: Favorites' tabs. At the bottom, there are tabs for 'Python Console', 'Terminal', 'Run' (active), 'Debug', and 'TODO'. The status bar at the bottom right shows '54:1 LF UTF-8 4 spaces'.

## To Add a new Employee



The screenshot shows the PyCharm Run window with the following output:

```
Run: Lab5_AnushaSatish_Main x
*****
First Name : J
Last Name : Papademas
Gross Pay : $7800.00
Overtime Pay : $4500.00

----- Menu -----

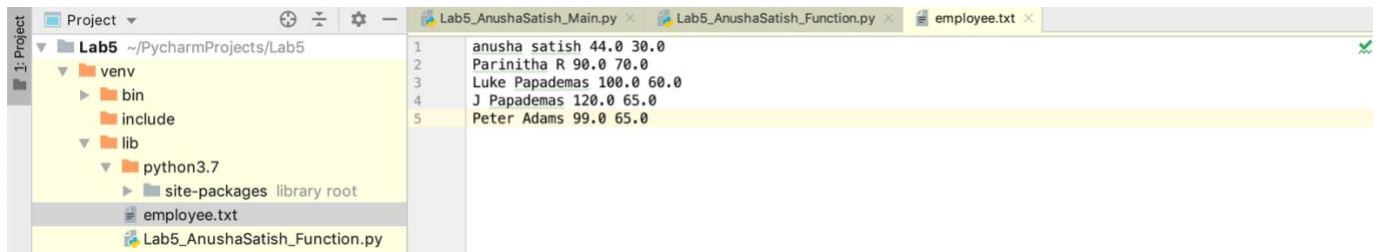
Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit 3
Please enter Employee First name to addPeter
Please enter Employee Last name to addAdams
Please enter Employee pay to add99
Please enter Employee working hours 65
Adding details .. Peter Adams 99.0 65.0

----- Menu -----

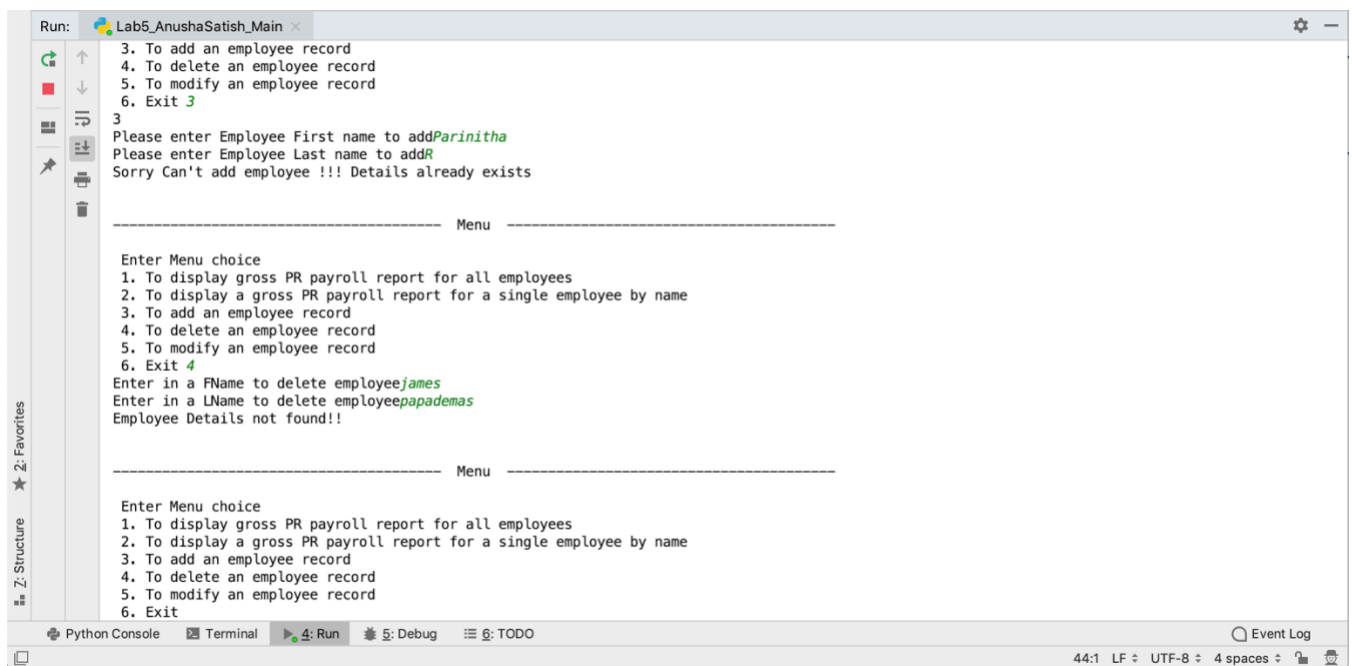
Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit
```

The interface is similar to the previous screenshot, with the 'Run' tab active and the status bar showing '66:1 LF UTF-8 4 spaces'.

## File



## Adding employee which already exist



## To delete an employee

```
Run: Lab5_AnushaSatish_Main x
Gross Pay : $3160.00
Overtime Pay : $0.00
*****
First Name : Parinitha
Last Name : R
Gross Pay : $3200.00
Overtime Pay : $0.00

----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit 4
Enter in a FName to delete employee mark
Enter in a LName to delete employee adams
Deleting employee details...

----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit

Python Console Terminal Run Debug TODO
58:1 LF UTF-8 4 spaces
```

To delete an employee details which does not exist in the file

```
Run: Lab5_AnushaSatish_Main x
Gross Pay : $7800.00
Overtime Pay : $4500.00
*****
First Name : Peter
Last Name : Adams
Gross Pay : $6435.00
Overtime Pay : $3712.50

----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit 4
Enter in a FName to delete employee Matt
Enter in a LName to delete employee D
Employee Details not found!!

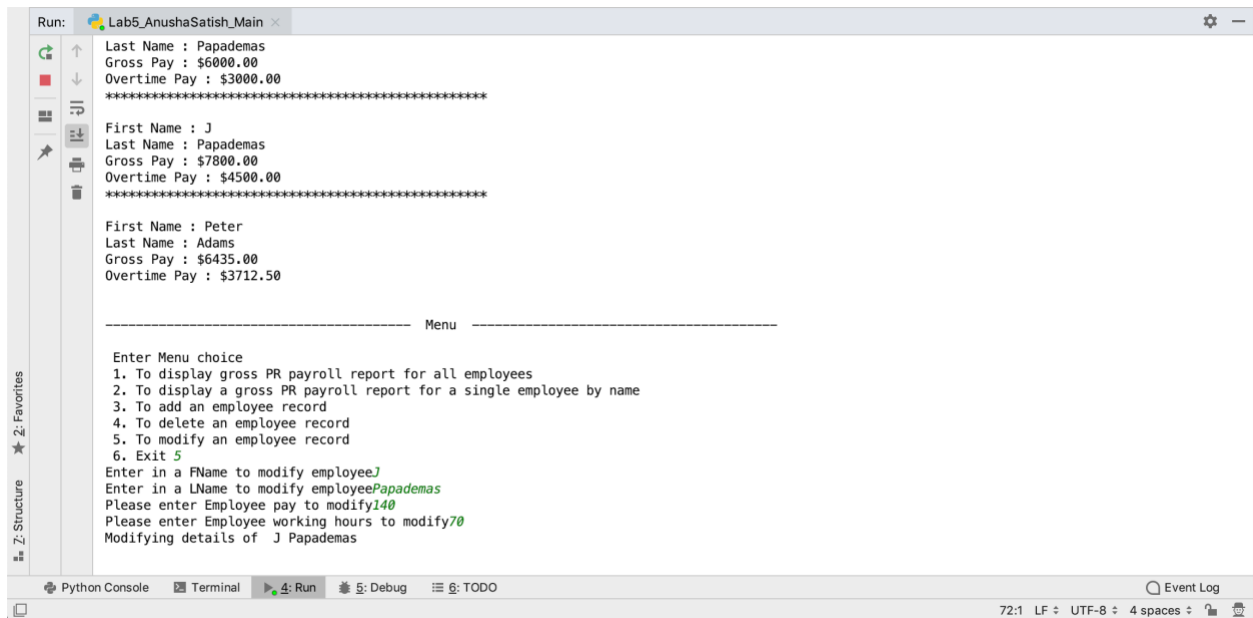
----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit

Python Console Terminal Run Debug TODO
120:1 LF UTF-8 4 spaces
```

To modify

Details before



```
Run: Lab5_AnushaSatish_Main x
Last Name : Papademas
Gross Pay : $6000.00
Overtime Pay : $3000.00
*****
First Name : J
Last Name : Papademas
Gross Pay : $7800.00
Overtime Pay : $4500.00
*****
First Name : Peter
Last Name : Adams
Gross Pay : $6435.00
Overtime Pay : $3712.50

----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit 5
Enter in a FName to modify employee J
Enter in a LName to modify employee Papademas
Please enter Employee pay to modify 140
Please enter Employee working hours to modify 70
Modifying details of J Papademas

Python Console Terminal Run Debug TODO Event Log
72:1 LF UTF-8 4 spaces
```

After modifying

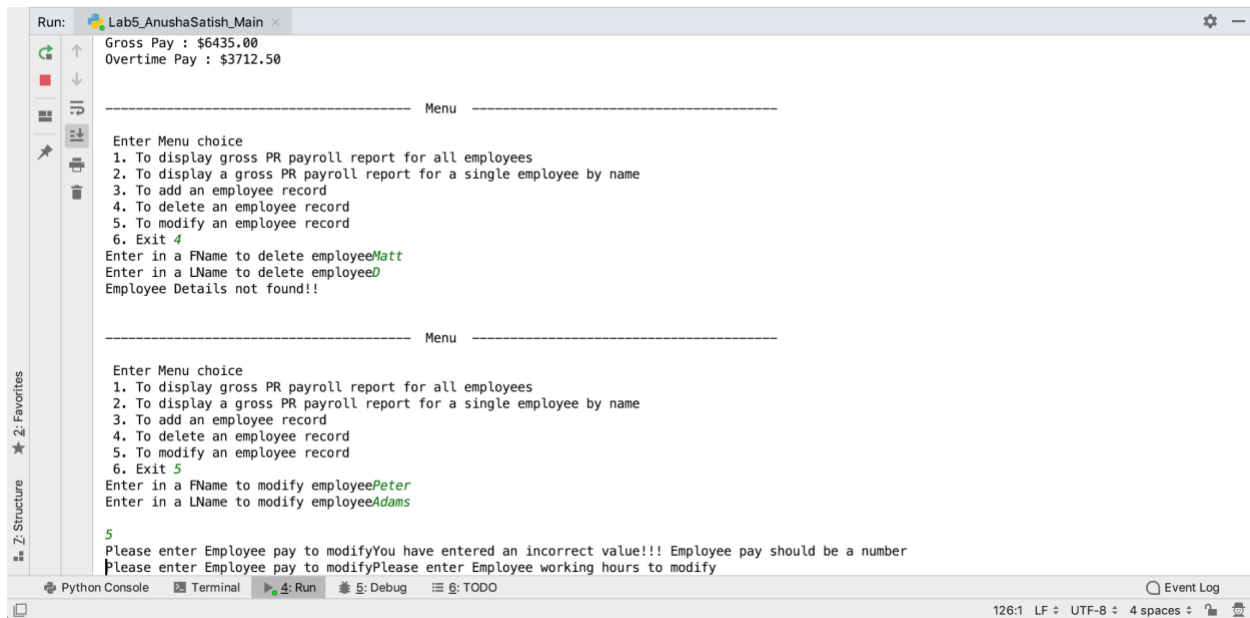


```
Run: Lab5_AnushaSatish_Main x
1
*****
First Name : anusha
Last Name : satish
Gross Pay : $1320.00
Overtime Pay : $0.00
*****
First Name : Parinitha
Last Name : R
Gross Pay : $6300.00
Overtime Pay : $4050.00
*****
First Name : Luke
Last Name : Papademas
Gross Pay : $6000.00
Overtime Pay : $3000.00
*****
First Name : J
Last Name : Papademas
Gross Pay : $9800.00
Overtime Pay : $6300.00
*****
First Name : Peter
Last Name : Adams
Gross Pay : $6435.00
Overtime Pay : $3712.50

----- Menu -----

Python Console Terminal Run Debug TODO Event Log
56:1 LF UTF-8 4 spaces
```

## Wrong Input



The screenshot shows a Python IDE window titled 'Lab5\_AnushaSatish\_Main'. The output console displays the following text:

```
Run: Lab5_AnushaSatish_Main x
Gross Pay : $6435.00
Overtime Pay : $3712.50

----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit 4
Enter in a FName to delete employeeMatt
Enter in a LName to delete employeeD
Employee Details not found!!

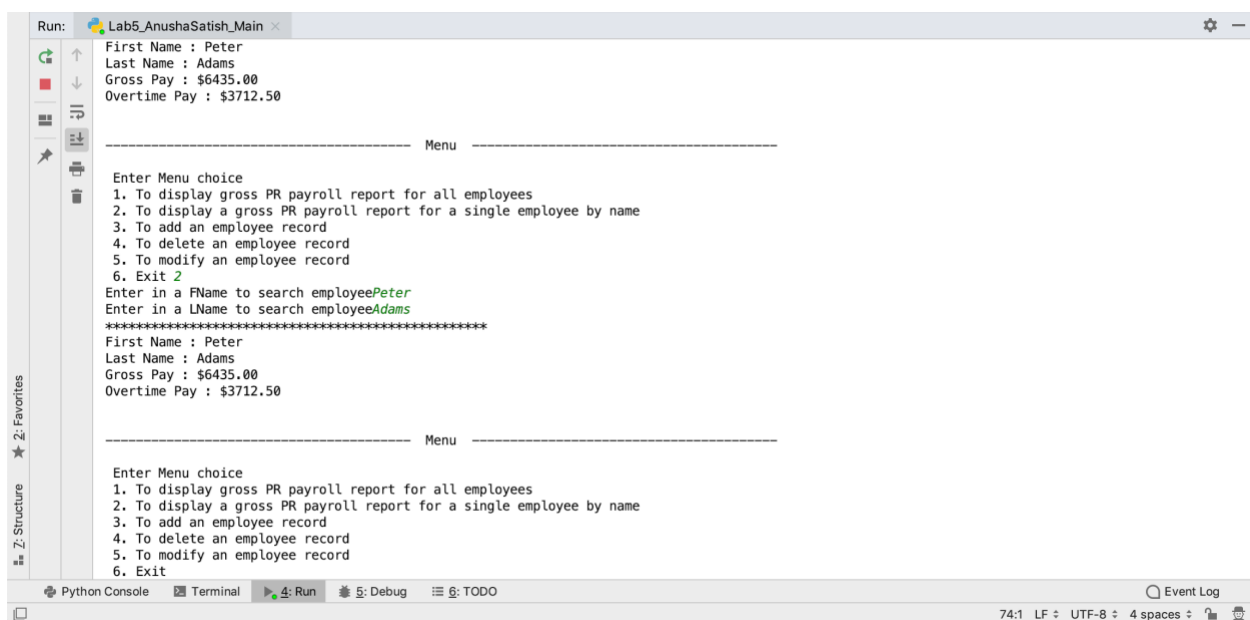
----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit 5
Enter in a FName to modify employeePeter
Enter in a LName to modify employeeAdams

5
Please enter Employee pay to modifyYou have entered an incorrect value!!! Employee pay should be a number
Please enter Employee pay to modifyPlease enter Employee working hours to modify
```

The IDE interface includes a left sidebar with 'Z: Structure', '2: Favorites', and 'Z: Structure' buttons. The bottom status bar shows '126:1 LF ÷ UTF-8 ÷ 4 spaces ÷' and an 'Event Log' button.

## To display requested employee info



The screenshot shows the same Python IDE window. The output console displays the following text:

```
Run: Lab5_AnushaSatish_Main x
First Name : Peter
Last Name : Adams
Gross Pay : $6435.00
Overtime Pay : $3712.50

----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit 2
Enter in a FName to search employeePeter
Enter in a LName to search employeeAdams
*****
First Name : Peter
Last Name : Adams
Gross Pay : $6435.00
Overtime Pay : $3712.50

----- Menu -----

Enter Menu choice
1. To display gross PR payroll report for all employees
2. To display a gross PR payroll report for a single employee by name
3. To add an employee record
4. To delete an employee record
5. To modify an employee record
6. Exit
```

The IDE interface is consistent with the previous screenshot, showing the same sidebar and status bar.

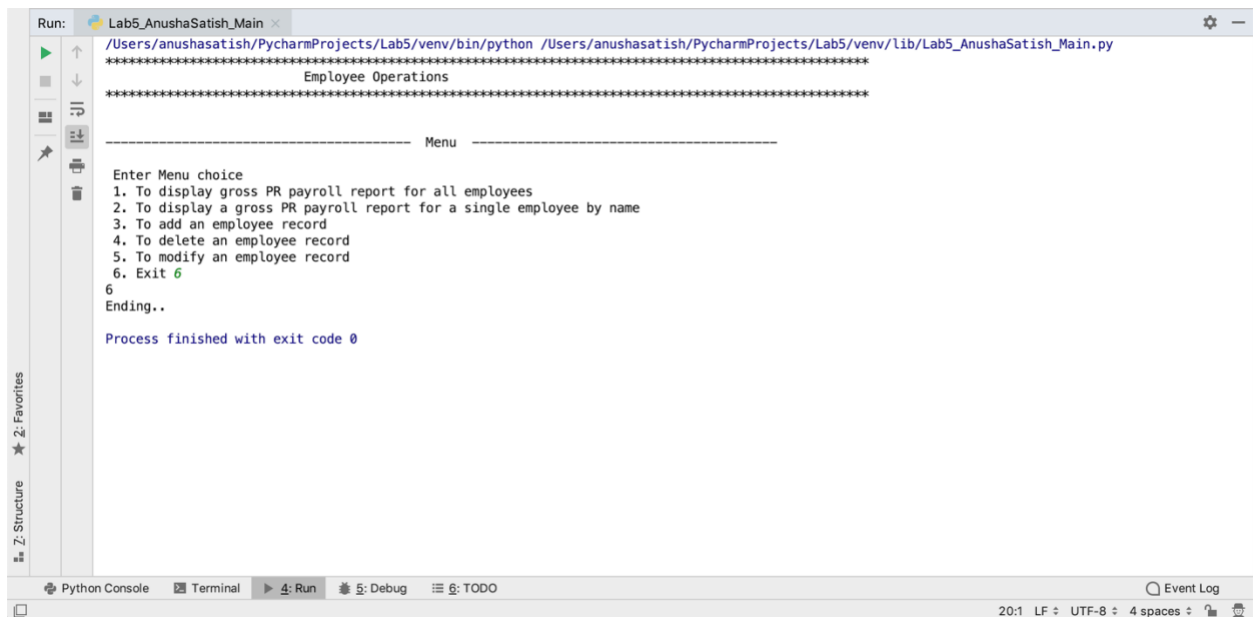
## To display entire details



The screenshot shows a PyCharm IDE with a Python console window open. The console displays the output of a program. At the top, there is a horizontal line followed by the word "Menu". Below this, the program prompts the user to "Enter Menu choice" and lists six options: 1. To display gross PR payroll report for all employees, 2. To display a gross PR payroll report for a single employee by name, 3. To add an employee record, 4. To delete an employee record, 5. To modify an employee record, and 6. Exit. The user has entered '1'. The program then displays the details for all employees, separated by horizontal lines. The details for each employee include their First Name, Last Name, Gross Pay, and Overtime Pay. The employees listed are anusha, satish, Parinitha, R, Luke, Papadenas, J, Papadenas, and Peter, Adams. The bottom status bar of the IDE shows the file path, line number (114:1), and encoding (UTF-8).

```
----- Menu -----  
  
Enter Menu choice  
1. To display gross PR payroll report for all employees  
2. To display a gross PR payroll report for a single employee by name  
3. To add an employee record  
4. To delete an employee record  
5. To modify an employee record  
6. Exit 1  
*****  
First Name : anusha  
Last Name : satish  
Gross Pay : $1320.00  
Overtime Pay : $0.00  
*****  
  
First Name : Parinitha  
Last Name : R  
Gross Pay : $6300.00  
Overtime Pay : $4050.00  
*****  
  
First Name : Luke  
Last Name : Papadenas  
Gross Pay : $6000.00  
Overtime Pay : $3000.00  
*****  
  
First Name : J  
Last Name : Papadenas  
Gross Pay : $9800.00  
Overtime Pay : $6300.00  
*****  
  
First Name : Peter  
Last Name : Adams  
Gross Pay : $6435.00  
Overtime Pay : $3712.50
```

## To Exit



The screenshot shows the same PyCharm IDE as before, but now the program has finished execution. The console window shows the same menu as before, but the user has entered '6' to exit. The program then displays "Ending.." and "Process finished with exit code 0". The bottom status bar of the IDE shows the file path, line number (20:1), and encoding (UTF-8).

```
----- Menu -----  
  
Enter Menu choice  
1. To display gross PR payroll report for all employees  
2. To display a gross PR payroll report for a single employee by name  
3. To add an employee record  
4. To delete an employee record  
5. To modify an employee record  
6. Exit 6  
6  
Ending..  
  
Process finished with exit code 0
```