

# **Report: Python Program for Pay Calculation**

## **1. Goals and Purpose of the Exercise**

The goal of this exercise is to create a simple Python program that calculates pay based on user-inputted hours worked and hourly rate. This program demonstrates the use of input handling, data conversion, basic arithmetic operations, and output display in Python.

## **2. Algorithm and Approach**

The program follows these steps:

1. Prompt the user to enter the number of hours worked.
2. Display the entered hours.
3. Prompt the user to enter the hourly rate.
4. Display the entered rate.
5. Convert both inputs from strings to floating-point numbers.
6. Calculate the pay by multiplying hours by the rate.
7. Display the calculated pay.

This approach effectively introduces basic input/output and arithmetic operations in Python.

## **3. Sample Output and Explanation**

Example Run:

Enter hours: 40

40

Enter rate: 15

15

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600.0

Explanation:

- The user inputs 40 for hours and 15 for the rate.
- The program multiplies 40 by 15, resulting in 600.0, which is displayed as the pay.