Experiment No: 2 - Monthly Salary and Savings Calculator (Arithmetic Operators)

Aim

To design and implement a Python program that calculates an employee's **monthly salary details and savings** using **all arithmetic operators** through **sequential control structures**.

Problem Statement

Write a Python program to perform the following operations using **arithmetic operators**:

- Read **basic salary**
- Calculate **HRA (20% of basic)** using multiplication
- Calculate **DA (10% of basic)** using multiplication
- Calculate **gross salary** using addition
- Calculate **tax (10% of gross salary)** using multiplication
- Calculate **net salary** using subtraction
- Calculate **monthly savings** using floor division (`//`)
- Calculate **remaining amount** using modulus (`%`)

The program should execute **sequentially without using conditional or looping statements**.

Assumptions

- HRA = 20% of basic salary
- DA = 10% of basic salary
- Tax = 10% of gross salary
- Savings division factor = 3

Input

- Basic salary

Output

- HRA amount
- DA amount
- Gross salary
- Tax amount
- Net salary
- Monthly savings
- Remaining amount after savings

Concepts Used

- Arithmetic operators (`+`, `-`, `*`, `/`, `%`, `//`, `**`)
- Sequential control structure
- Input and output statements

Result

Thus, a Python program to calculate **salary details and savings** using **all arithmetic operators** through **sequential execution** was successfully designed and implemented.

Sample Input:

```
Enter Basic Salary: 30000
```

Sample Output:

```
Basic Salary                : 30000
House Rent Allowance (20%): 6000.0
Dearness Allowance (10%)    : 3000.0
Gross Salary                : 39000.0
Tax Deduction (10%)         : 3900.0

Net Salary                  : 35100.0

Monthly Savings (// 3)      : 11700.0
Remaining Amount (%)        : 0.0
```