

## Personal Finance Calculator

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Purpose: Calculate monthly budget and saving

```
monthly_income = float(input("User's monthly income in THB: "))
rent_cost = float(input("Monthly rent/housing cost: "))
food_budget = int(input("Monthly food budget in THB: "))
transportation_cost = float(input("Monthly transportation expense: "))
entertainment_budget = int(input("Monthly entertainment budget: "))
emergency_fund_percent = float(input("Percent tage of save for emergency: "))
investment_percent = float(input("Percentage of invest (e.g., 15.0): "))
```

# รับข้อมูลตามชนิดข้อมูลต่างๆ ถ้าใส่ข้อมูลไม่ตรงตามชนิดโปรแกรมจะ Error

```
Total_Fixed_Expense = rent_cost + transportation_cost
```

```
Total_Variable_Expense = food_budget + entertainment_budget
```

```
Total_Expense = Total_Fixed_Expense + Total_Variable_Expense
```

```
Remaining_Income = monthly_income - Total_Expense
```

```
Emergency_Fund_Amount = monthly_income * (emergency_fund_percent / 100)
```

```
Investment_Amount = monthly_income * (investment_percent / 100)
```

```
Available_for_Savings = Remaining_Income - Emergency_Fund_Amount - Investment_Amount
```

```
Expense_Ratio = (Total_Expense / monthly_income) * 100
```

# แสดงผลการคำนวณและค่าต่างๆ

```
print("\n\n\n=== MONTHLY BUDGET REPORT ===\n")
```

```
print(f"Income: {monthly_income} THB\n")
```

```
print(f"Fixed Expense: {Total_Fixed_Expense} THB\n")
```

```
print(f"Variable Expense: {Total_Variable_Expense} THB\n")
```

```
print(f"Total Expense: {Total_Expense} THB\n")
```

# จบ

DATE: .....

```
print(f"Remaining: {Remaining-Income} THB\n")
print("=== SAVING BREAKDOWN ===\n")
print(f"Emergency Fund({emergency_fund_percent}%): {Emergency_Fund_Amount} THB\n")
print(f"Investment ({investment_percent}%): {Investment_Amount} THB\n")
print(f"Available of saving: {Available_for_Savings} THB\n")
print("=== ANALYSIS ===")
print(f"Expense Ratio: {Expense_Ratio}%")
```

# มาแสดงค่าของ f-string เพื่อให้เห็นว่าทำงานอย่างไร " ให้อัตโนมัติ, แยก

# งบรายเดือน

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User's monthly income in THB : 11000

Monthly rent/housing cost : 4500

Monthly food budget in THB : 5000

Monthly Transportation expense : 0

Monthly entertainment budget : 1000

Percentage to save for emergency : 1

Percentage to invest (e.g. 15.0) : 1

วันที่ 3 มกราคม

=== MONTHLY BUDGET REPORT ===

Income : 11000.0 THB

Fixed Expense : 4500.0 THB

Variable Expense : 6000 THB

Total Expense : 10500.0 THB

Remaining : 500.0 THB



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## == SAVINGS BREAKDOWN ==

Emergency Fund (1.0%): 110.0 THB

Investment Fund (1.0%): 110.0 THB

Available for saving: 280.0 THB

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