[class FinancialManagementSystem:

def \_\_init\_\_(self):

self.income = 0.0

self.expenses = 0.0

self.balance = 0.0

self.transactions = []

def add\_income(self, amount, description="Income"):

self.income += amount

self.balance += amount

self.transactions.append({"type": "Income", "amount": amount, "description": description})

def add\_expense(self, amount, description="Expense"):

self.expenses += amount

self.balance -= amount

self.transactions.append({"type": "Expense", "amount": amount, "description": description})

def view\_balance(self):

return f"Current Balance: ${self.balance:.2f}"

def view\_transactions(self):

if not self.transactions:

return "No transactions available."

transaction\_history = "\n".join([f"{t['type']}: ${t['amount']:.2f} - {t['description']}" for t in self.transactions])

return transaction\_history

def view\_summary(self):

return (f"Income: ${self.income:.2f}\n"

f"Expenses: ${self.expenses:.2f}\n"

f"Balance: ${self.balance:.2f}")

# Sample interaction with the system

def main():

system = FinancialManagementSystem()

while True:

print("\n--- Financial Management System ---")

print("1. Add Income")

print("2. Add Expense")

print("3. View Balance")

print("4. View Transactions")

print("5. View Summary")

print("6. Exit

[1/10, 9:55 AM] h@fs@: choice = input("Enter your choice: ")

if choice == '1':

amount = float(input("Enter income amount: $"))

description = input("Enter income description: ")

system.add\_income(amount, description)

elif choice == '2':

amount = float(input("Enter expense amount: $"))

description = input("Enter expense description: ")

system.add\_expense(amount, description)

elif choice == '3':

print(system.view\_balance())

elif choice == '4':

print(system.view\_transactions())

elif choice == '5':

print(system.view\_summary())

elif choice == '6':

print("Exiting the system. Goodbye!")

break

else:

print("Invalid choice, please try again.")

if \_\_name\_\_ == "\_\_main\_\_":

main()