Builded an Expense Tracker Application using Python

Sol: import os

# Create a file to store expenses if it doesn't exist

if not os.path.exists("expenses.txt"):

open("expenses.txt", "w").close()

# Function to add an expense

def add\_expense(amount, description):

with open("expenses.txt", "a") as file:

file.write(f"{amount} {description}\n")

# Function to view all expenses

def view\_expenses():

with open("expenses.txt", "r") as file:

expenses = file.readlines()

for expense in expenses:

print(expense, end="")

# Function to calculate the total expenses

def calculate\_total\_expenses():

with open("expenses.txt", "r") as file:

expenses = file.readlines()

total = sum(float(expense.split()[0]) for expense in expenses)

return total

# Main function

def main():

while True:

print("\nExpense Tracker Menu:")

print("1. Add Expense")

print("2. View Expenses")

print("3. Calculate Total Expenses")

print("4. Exit")

choice = input("Enter your choice: ")

if choice == "1":

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

description = input("Enter a description: ")

add\_expense(amount, description)

print("Expense added successfully.")

elif choice == "2":

print("\n--- All Expenses ---")

view\_expenses()

elif choice == "3":

total = calculate\_total\_expenses()

print(f"\nTotal Expenses: ${total:.2f}")

elif choice == "4":

break

else:

print("Invalid choice. Please enter a valid option.")

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

main()