**BUILD A CALCULATOR APP THAT CAN PERFORM BASIC ARITHMETIC OPERATIONS**

Please enter a number.")

def add(num1, num2):

"""Adds two numbers and returns the result."""

return num1 + num2

def subtract(num1, num2):

"""Subtracts two numbers and returns the result."""

return num1 - num2

def multiply(num1, num2):

"""Multiplies two numbers and returns the result."""

return num1 \* num2

def divide(num1, num2):

"""Divides two numbers and handles division by zero error."""

if num2 == 0:

print("Error: Cannot divide by zero.")

return None

else:

return num1 / num2

def main():

"""Runs the calculator program."""

print("Welcome to the Simple Calculator!")

while True:

# Get user input for first number

try:

num1 = float(input("Enter the first number: "))

except ValueError:

print("Invalid input. Please enter a number.")

continue

# Get user input for operator

operator = input("Enter an operator (+, -, \*, /): ")

# Get user input for second number

try:

num2 = float(input("Enter the second number: "))

except ValueError:

print("Invalid input.

continue

# Perform calculation based on operator

result = None

if operator == "+":

result = add(num1, num2)

elif operator == "-":

result = subtract(num1, num2)

elif operator == "\*":

result = multiply(num1, num2)

elif operator == "/":

result = divide(num1, num2)

else:

print("Invalid operator. Please use +, -, \*, or /.")

continue

# Display the result or error message

if result is not None:

print(f"{num1} {operator} {num2} = {result}")

else:

continue

# Ask user if they want to continue

choice = input("Do you want to perform another calculation? (y/n): ")

if choice.lower() != "y":

break

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

main()

# TASK-O2

**CREATE A TO DO LIST APP THAT ALLOWS USERS TO ADD ,EDIT,AND DELETE TASKS**

def add\_task(tasks):

"""Gets user input for a new task and adds it to the list."""

new\_task = input("Enter a new task: ")

tasks.append(new\_task)

def view\_tasks(tasks):

"""Prints all tasks in a numbered list."""

if not tasks:

print("There are no tasks in the list.")

return

for i, task in enumerate(tasks, start=1):

print(f"{i}. {task}")

def edit\_task(tasks):

"""Prompts user to select a task and allows editing its description."""

view\_tasks(tasks)

try:

task\_index = int(input("Enter the number of the task to edit: ")) - 1

if task\_index < 0 or task\_index >= len(tasks):

print("Invalid task number.")

return

new\_description = input("Enter a new description for the task: ")

tasks[task\_index] = new\_description

print("Task edited successfully.")

except ValueError:

print("Invalid input. Please enter a number.")

def delete\_task(tasks):

"""Prompts user to select a task and removes it from the list."""

view\_tasks(tasks)

try:

task\_index = int(input("Enter the number of the task to delete: ")) - 1

if task\_index < 0 or task\_index >= len(tasks):

print("Invalid task number.")

return

del tasks[task\_index]

print("Task deleted successfully.")

except ValueError:

print("Invalid input. Please enter a number.")

def main():

"""Runs the to-do list app."""

tasks = [] # List to store tasks

while True:

print("\nTo-Do List Menu:")

print("1. Add Task")

print("2. View Tasks")

print("3. Edit Task")

print("4. Delete Task")

print("5. Exit")

choice = input("Enter your choice (1-5): ")

if choice == '1':

add\_task(tasks)

elif choice == '2':

view\_tasks(tasks)

elif choice == '3':

edit\_task(tasks)

elif choice == '4':

delete\_task(tasks)

elif choice == '5':

break

else:

print("Invalid choice. Please enter a number between 1 and 5.")

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

main()