TASK 1

import os

TODO\_FILE = "todo\_list.txt"

def load\_todo\_list():

"""Load the to-do list from a file."""

if os.path.exists(TODO\_FILE):

with open(TODO\_FILE, "r") as file:

return [line.strip() for line in file]

return []

def save\_todo\_list(todo\_list):

"""Save the to-do list to a file."""

with open(TODO\_FILE, "w") as file:

for task in todo\_list:

file.write(f"{task}\n")

def display\_todo\_list(todo\_list):

"""Display the current to-do list."""

if not todo\_list:

print("Your to-do list is empty.")

else:

print("Your to-do list:")

for idx, task in enumerate(todo\_list):

print(f"{idx + 1}. {task}")

def add\_task(todo\_list):

"""Add a new task to the to-do list."""

title = input("Enter the task: ")

todo\_list.append(title)

print(f"Task '{title}' has been added.")

def update\_task(todo\_list):

"""Update an existing task in the to-do list."""

display\_todo\_list(todo\_list)

task\_number = int(input("Enter the task number to update: ")) - 1

if 0 <= task\_number < len(todo\_list):

new\_title = input("Enter the new task: ")

todo\_list[task\_number] = new\_title

print(f"Task {task\_number + 1} has been updated to '{new\_title}'.")

else:

print("Invalid task number.")

def delete\_task(todo\_list):

"""Delete a task from the to-do list."""

display\_todo\_list(todo\_list)

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

if 0 <= task\_number < len(todo\_list):

deleted\_task = todo\_list.pop(task\_number)

print(f"Task '{deleted\_task}' has been deleted.")

else:

print("Invalid task number.")

def main():

"""Main function to run the to-do list application."""

todo\_list = load\_todo\_list()

while True:

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

print("1. View To-Do List")

print("2. Add Task")

print("3. Update Task")

print("4. Delete Task")

print("5. Exit")

choice = input("Enter your choice: ")

if choice == "1":

display\_todo\_list(todo\_list)

elif choice == "2":

add\_task(todo\_list)

elif choice == "3":

update\_task(todo\_list)

elif choice == "4":

delete\_task(todo\_list)

elif choice == "5":

save\_todo\_list(todo\_list)

print("Goodbye!")

break

else:

print("Invalid choice. Please try again.")

# Save the to-do list after each operation

save\_todo\_list(todo\_list)

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

main()