**PYTHON ASSIGNMENT – 5**

**Program**

def display\_menu():

print("\nOptions:")

print("1. Add Task")

print("2. Remove Task")

print("3. View Tasks")

print("4. Exit")

def add\_task(tasks):

task = input("Enter the task: ").strip()

if task and task not in tasks:

tasks.append(task)

print(f'"{task}" added successfully!')

else:

print("Invalid or duplicate task!")

def remove\_task(tasks):

if not tasks:

print("No tasks to remove.")

return

view\_tasks(tasks)

try:

index = int(input("Enter the task number to remove: ")) - 1

if 0 <= index < len(tasks):

removed\_task = tasks.pop(index)

print(f'"{removed\_task}" removed successfully!')

else:

print("Invalid task number!")

except ValueError:

print("Please enter a valid number!")

def view\_tasks(tasks):

if not tasks:

print("No pending tasks.")

else:

print("\nPending Tasks:")

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

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

def main():

tasks = []

while True:

display\_menu()

choice = input("Choose an option: ")

if choice == "1":

add\_task(tasks)

elif choice == "2":

remove\_task(tasks)

elif choice == "3":

view\_tasks(tasks)

elif choice == "4":

print("Goodbye! Have a productive day!")

break

else:

print("Invalid choice! Please select a valid option.")

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

main()

**Output**

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Choose an option: 1

Enter the task: Eating

"Eating" added successfully!

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Choose an option: Sleeping

Invalid choice! Please select a valid option.

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Choose an option: 1

Enter the task: Sleeping

"Sleeping" added successfully!

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Choose an option: 3

Pending Tasks:

1. Eating

2. Sleeping

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Choose an option: 2

Pending Tasks:

1. Eating

2. Sleeping

Enter the task number to remove: 1

"Eating" removed successfully!

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Choose an option: 3

Pending Tasks:

1. Sleeping

Options:

1. Add Task

2. Remove Task

3. View Tasks

4. Exit

Choose an option: 4

Goodbye! Have a productive day!