Experiment No. 12
Program to demonstrate data frame creation and Manipulation using Pandas
Date of Performance:
Date of Submission:

Experiment No. 12

Title: Program to demonstrate data frame creation and Manipulation using Pandas

Aim: To study and implement data frame creation and Manipulation using Pandas

Objective: To introduce Pandas package for python

Theory:

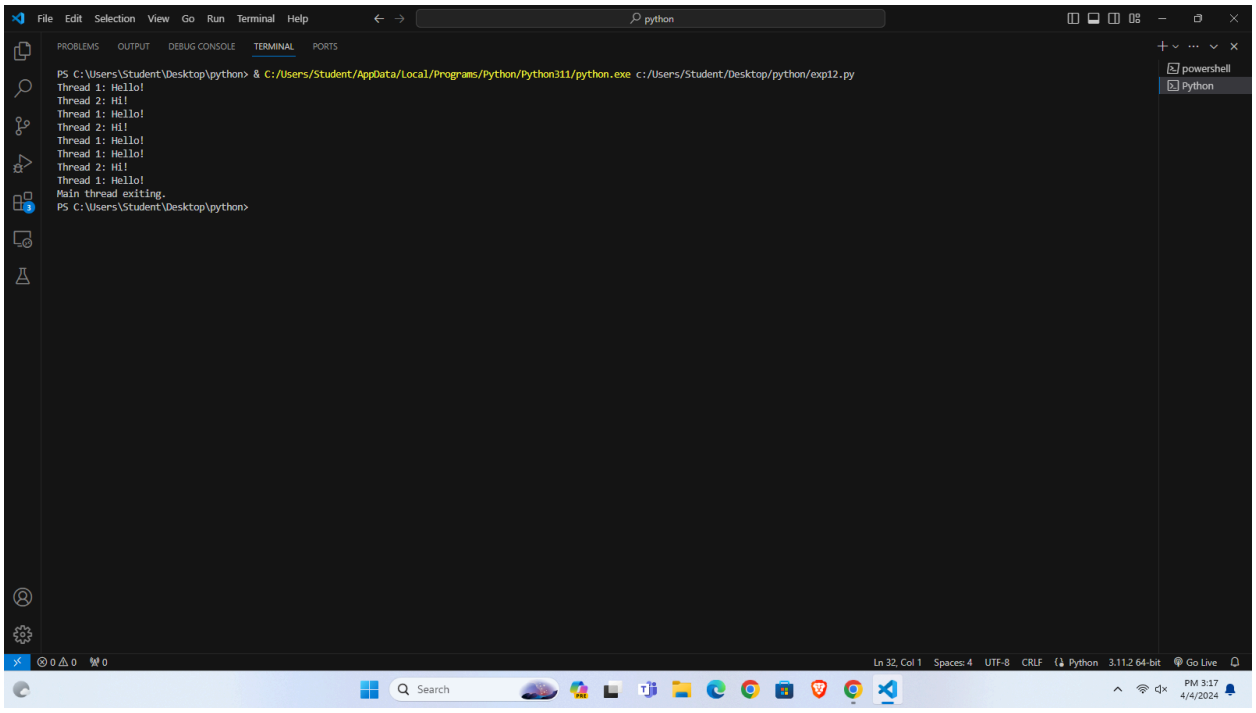
Pandas is an open-source library that is built on top of NumPy library. It is a Python package that offers various data structures and operations for manipulating numerical data and time series. It is mainly popular for importing and analyzing data much easier. Pandas is fast and it has high-performance & productivity for users.

Code:

```
import threading
import time



def print_messages(delay, message, stop_event):
    while not stop_event.is_set():
        print(message)
        time.sleep(delay)



stop_flag = threading.Event()



thread1 = threading.Thread(target=print_messages, args=(1, "Thread 1: Hello!", stop_flag))
thread2 = threading.Thread(target=print_messages, args=(2, "Thread 2: Hi!", stop_flag))

thread1.start()
thread2.start()

time.sleep(5)



stop_flag.set()
```

```
thread1.join()

thread2.join()


print("Main thread exiting.")
```

Output:



Conclusion: Dataframes have been created and manipulated using Pandas