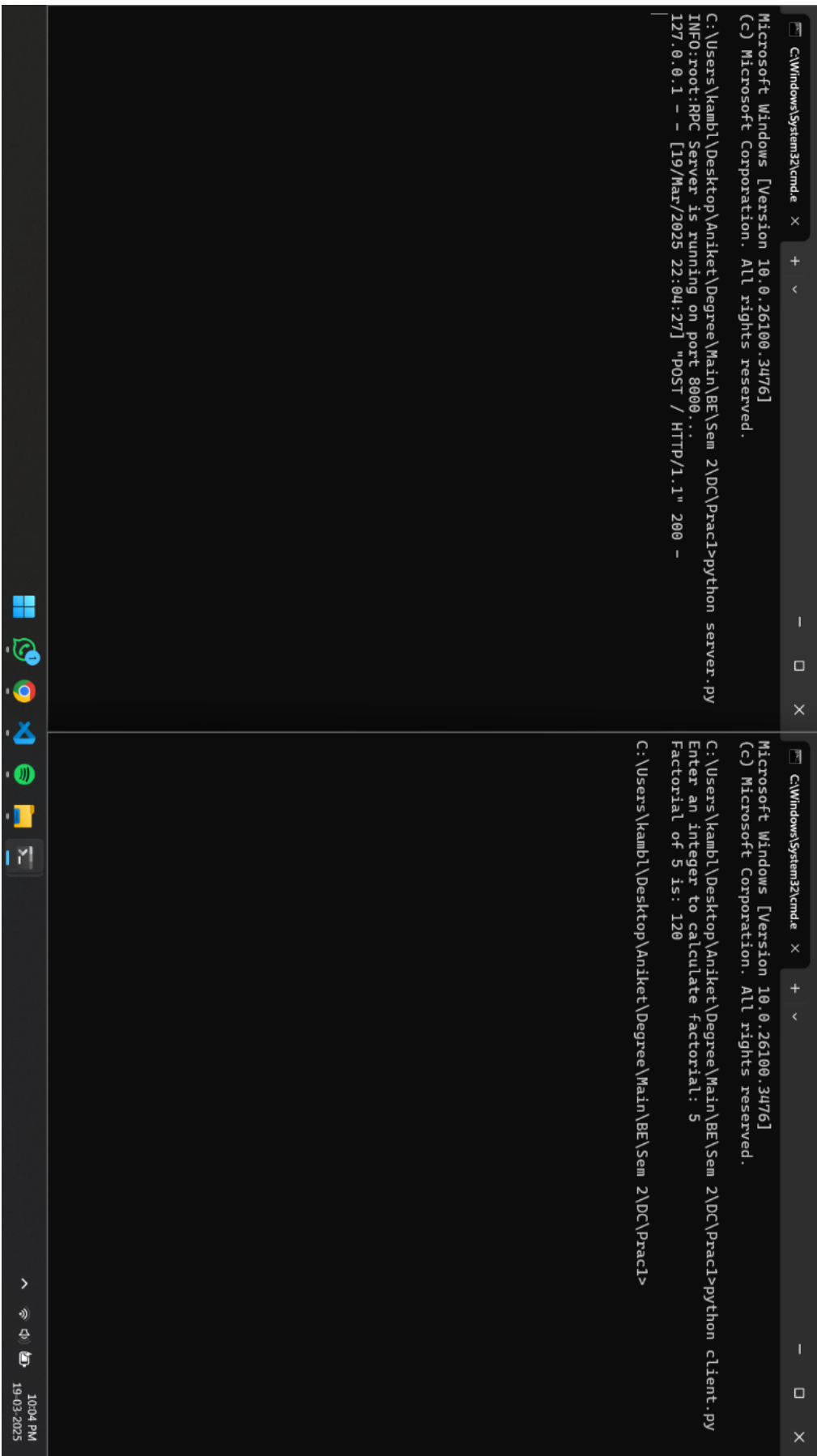


Prac 1:



The image shows two side-by-side Windows command prompt windows. Both windows have a title bar that reads "C:\Windows\System32\cmd.exe".

The left window displays the following text:

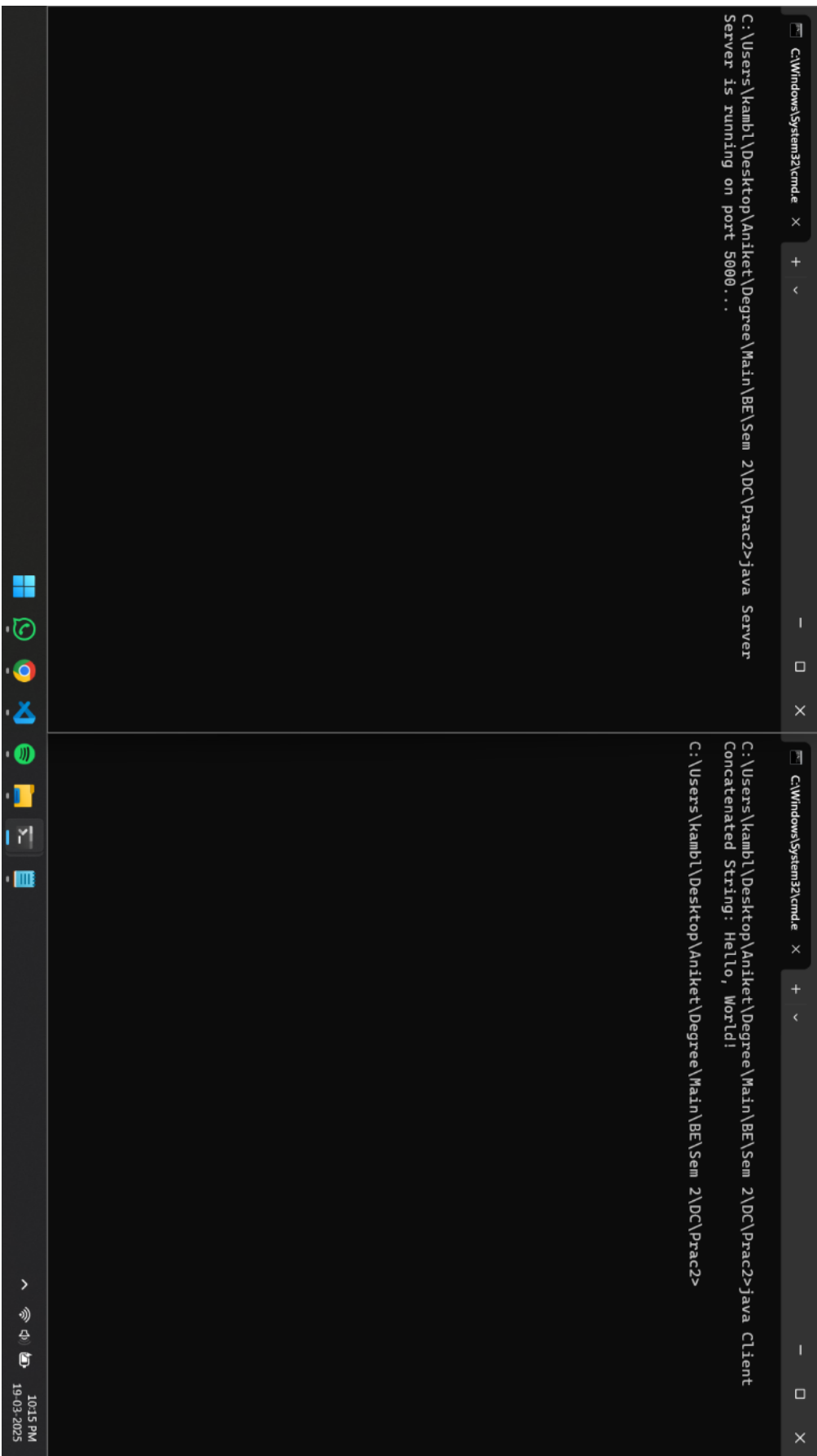
```
Microsoft Windows [Version 10.0.26100.3476]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\kamb\Deskto\Aniket\Degree\Main\BE\Sem 2\DC\Prac1>python server.py  
INFO:root:RPC Server is running on port 8000..  
127.0.0.1 - - [19/Mar/2025 22:04:27] "POST / HTTP/1.1" 200 -
```

The right window displays the following text:

```
Microsoft Windows [Version 10.0.26100.3476]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\kamb\Deskto\Aniket\Degree\Main\BE\Sem 2\DC\Prac1>python client.py  
Enter an integer to calculate factorial: 5  
Factorial of 5 is: 120  
  
C:\Users\kamb\Deskto\Aniket\Degree\Main\BE\Sem 2\DC\Prac1>
```

The Windows taskbar is visible at the bottom of the screen, showing the Start button, several pinned application icons, and the system tray with the time "10:04 PM" and date "19-03-2025".

Prac 2:



The image shows two side-by-side Windows Command Prompt windows. The left window has a title bar that reads "C:\Windows\System32\cmd.exe" and contains the following text: "C:\Users\Kamb1\Desktop\Aniket\Degree\Main\BE\Sem 2\DC\Prac2>java Server" followed by "Server is running on port 5000...". The right window also has a title bar that reads "C:\Windows\System32\cmd.exe" and contains the following text: "C:\Users\Kamb1\Desktop\Aniket\Degree\Main\BE\Sem 2\DC\Prac2>java Client" followed by "Concatenated String: Hello, World!". The taskbar at the bottom of the screen shows the Start button, several application icons (including Chrome, VS Code, and a file explorer), and the system clock which displays "10:15 PM" and "19-03-2025".

```
C:\Windows\System32\cmd.exe
C:\Users\Kamb1\Desktop\Aniket\Degree\Main\BE\Sem 2\DC\Prac2>java Server
Server is running on port 5000...
```

```
C:\Windows\System32\cmd.exe
C:\Users\Kamb1\Desktop\Aniket\Degree\Main\BE\Sem 2\DC\Prac2>java Client
Concatenated String: Hello, World!
```

10:15 PM
19-03-2025

Prac 4:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.26100.3476]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Kambl\Desktop\Aniket\Degree\Main\BE\Sem 2\DC\Prac4>python load_balancer.py
Server 0 handling request 1 | Active connections: 1
Server 1 handling request 2 | Active connections: 1
Server 0 finished request 1 | Active connections: 0
Server 2 handling request 3 | Active connections: 1
Server 2 finished request 3 | Active connections: 0
Server 1 finished request 2 | Active connections: 0
Server 0 handling request 4 | Active connections: 1
Server 1 handling request 5 | Active connections: 1
Server 2 handling request 6 | Active connections: 0
Server 0 finished request 4 | Active connections: 0
Server 1 handling request 7 | Active connections: 1
Server 0 handling request 8 | Active connections: 0
Server 1 finished request 5 | Active connections: 0
Server 2 handling request 9 | Active connections: 1
Server 0 finished request 7 | Active connections: 0
Server 1 handling request 10 | Active connections: 1
Server 1 finished request 8 | Active connections: 0
Server 2 finished request 9 | Active connections: 0
Server 0 finished request 10 | Active connections: 0
```



Prac 5:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.26100.3476]
(c) Microsoft Corporation. All rights reserved.

C:\Users\kambl\Desktop\Aniket\Degree\Main\BE\Sem 2\DC\Prac5>java Prac5.Server
Hotel Booking Server is running on port 5000...

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.26100.3476]
(c) Microsoft Corporation. All rights reserved.

C:\Users\kambl\Desktop\Aniket\Degree\Main\BE\Sem 2\DC\Prac5>java Prac5.Client

---- Hotel Booking System ----
1. Book a Room
2. Cancel Booking
3. View Booked Rooms
4. Exit
Enter choice: 1
Enter guest name to book a room: Aniket
Room booked successfully for Aniket

---- Hotel Booking System ----
1. Book a Room
2. Cancel Booking
3. View Booked Rooms
4. Exit
Enter choice: 3
Currently Booked Rooms: [Aniket]

---- Hotel Booking System ----
1. Book a Room
2. Cancel Booking
3. View Booked Rooms
4. Exit
Enter choice: 2
Enter guest name to cancel booking: Aniket
Booking canceled for Aniket

---- Hotel Booking System ----
1. Book a Room
2. Cancel Booking
3. View Booked Rooms
4. Exit
Enter choice: 4
Exiting...
```