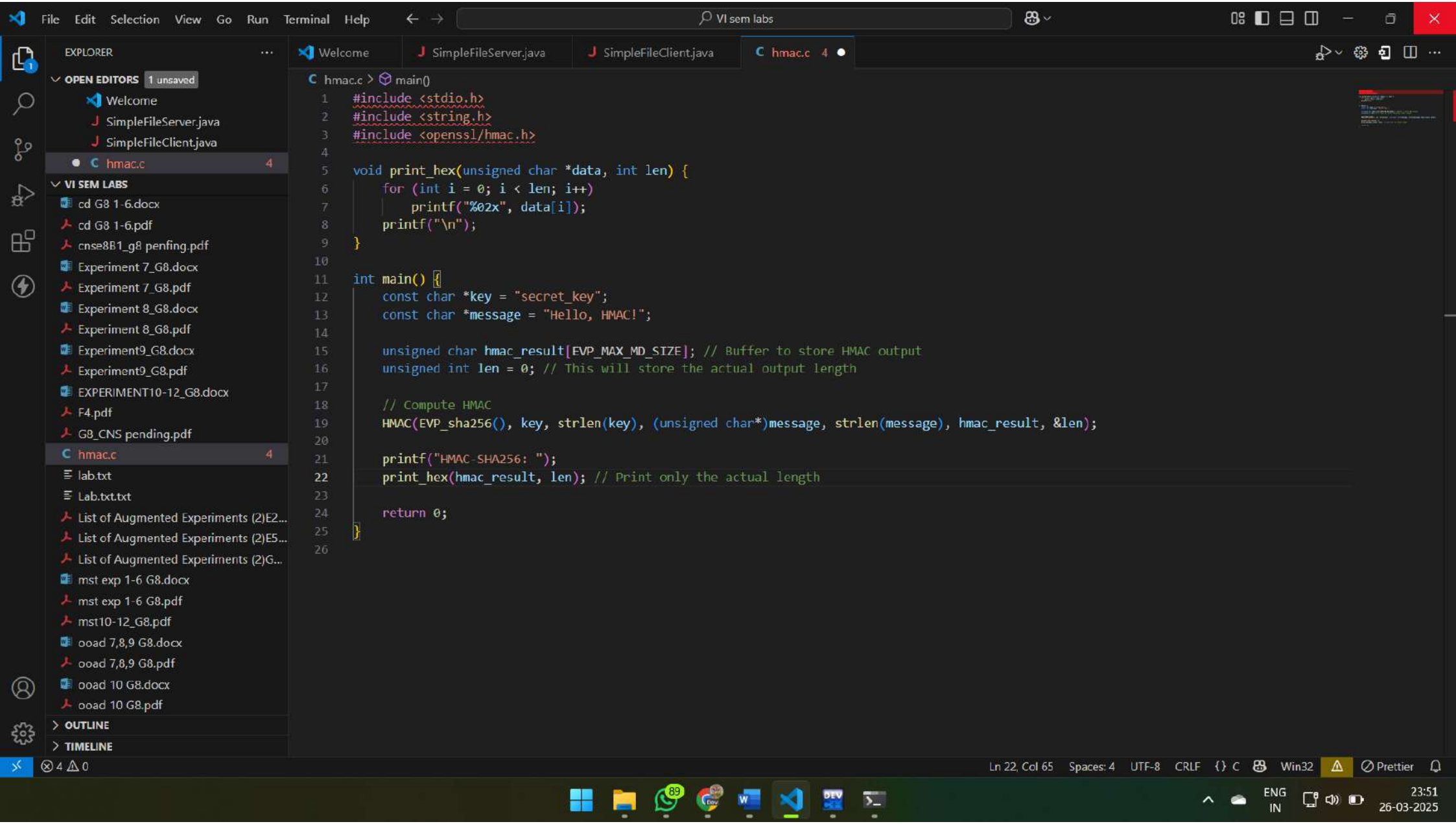
File Edit Selection View Go Run Terminal Help
VI sem labs
EXPLORER
OPEN EDITORS 1 unsaved
Welcome
SimpleFileServer.java
SimpleFileClient.java
hmac.c 4
VI SEM LABS
cd G8 1-6.docx
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cnse8B1_g8 penfing.pdf
Experiment 7_G8.docx
Experiment 7_G8.pdf
Experiment 8_G8.docx
Experiment 8_G8.pdf
Experiment9_G8.docx
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EXPERIMENT10-12_G8.docx
F4.pdf
G8_CNS pending.pdf
hmac.c 4
lab.txt
Lab.txt.txt
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mst10-12_G8.pdf
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ooad 10 G8.docx
ooad 10 G8.pdf
OUTLINE
TIMELINE
Welcome
SimpleFileServer.java
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hmac.c 4
hmac.c > main()
#include <stdio.h>
#include <string.h>
#include <openssl/hmac.h>
void print_hex(unsigned char *data, int len) {
for (int i = 0; i < len; i++)
printf("%02x", data[i]);
printf("\n");
}
int main() {
const char *key = "secret_key";
const char *message = "Hello, HMAC!";
unsigned char hmac_result[EVP_MAX_MD_SIZE]; // Buffer to store HMAC output
unsigned int len = 0; // This will store the actual output length
// Compute HMAC
HMAC(EVP_sha256(), key, strlen(key), (unsigned char*)message, strlen(message), hmac_result, &len);
printf("HMAC-SHA256: ");
print_hex(hmac_result, len); // Print only the actual length
return 0;
}
Ln 22, Col 65 Spaces: 4 UTF-8 CRLF {} C Win32 Prettier
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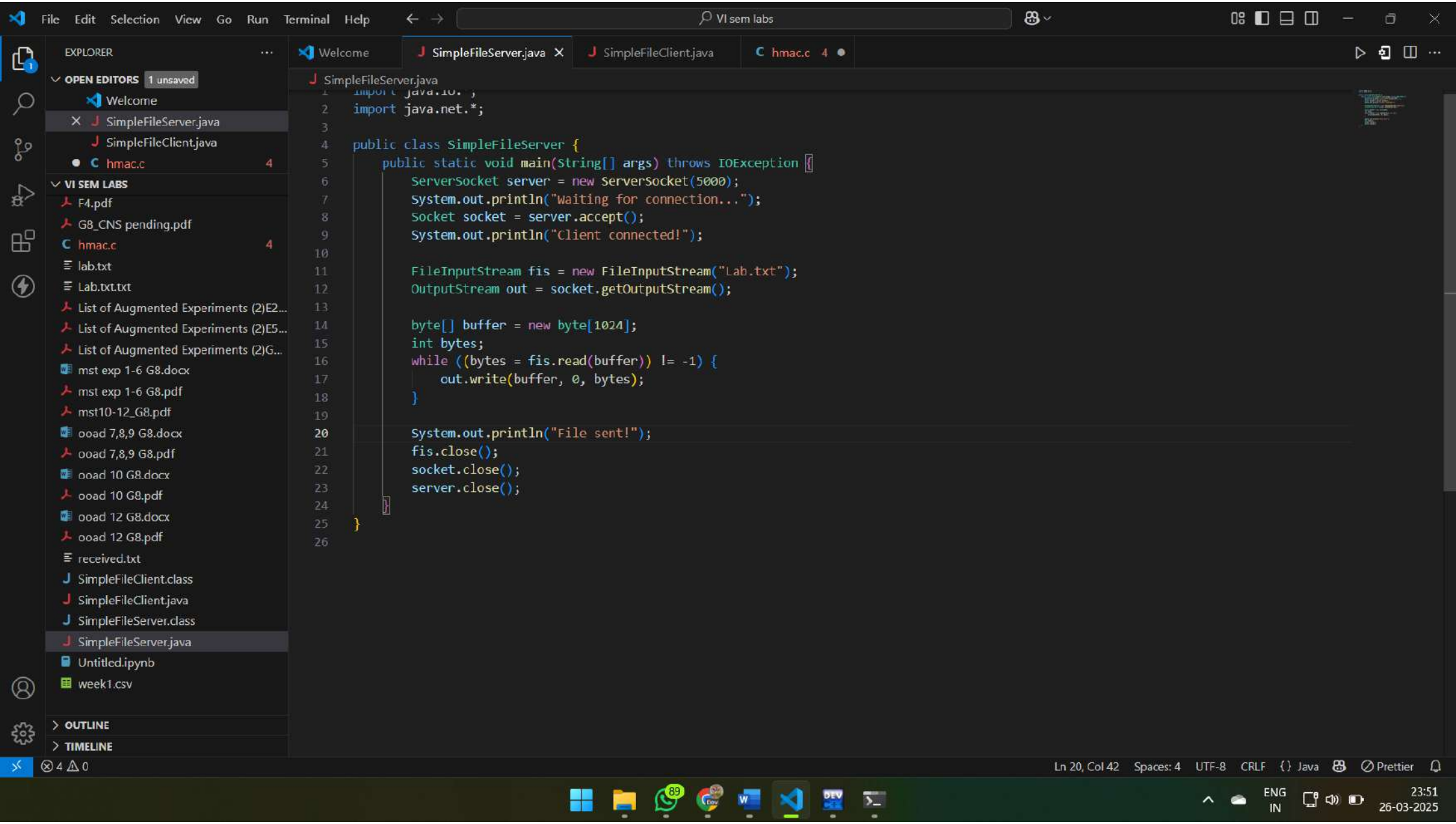
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ooad 10 G8.pdf
ooad 12 G8.docx
ooad 12 G8.pdf
received.txt
SimpleFileClient.class
SimpleFileClient.java
SimpleFileServer.class
SimpleFileServer.java
Untitled.ipynb
week1.csv
OUTLINE
TIMELINE
Welcome
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SimpleFileClient.java
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SimpleFileServer.java
import java.net.*;
public class SimpleFileServer {
public static void main(String[] args) throws IOException {
ServerSocket server = new ServerSocket(5000);
System.out.println("Waiting for connection...");
Socket socket = server.accept();
System.out.println("Client connected!");
FileInputStream fis = new FileInputStream("Lab.txt");
OutputStream out = socket.getOutputStream();
byte[] buffer = new byte[1024];
int bytes;
while ((bytes = fis.read(buffer)) != -1) {
out.write(buffer, 0, bytes);
}
System.out.println("File sent!");
fis.close();
socket.close();
server.close();
}
}
Ln 20, Col 42 Spaces: 4 UTF-8 CRLF Java Prettier
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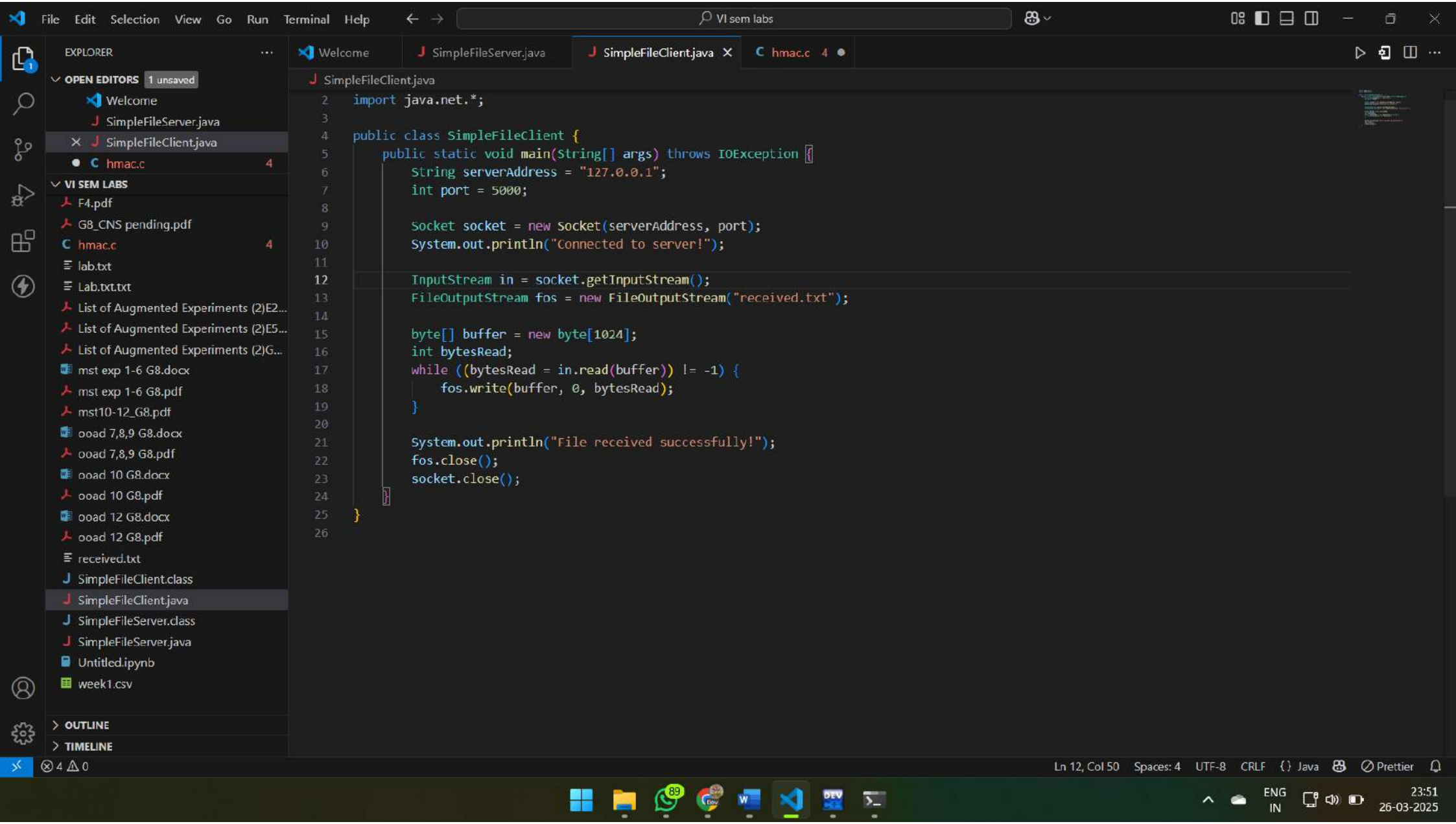
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Lab.txt.txt
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List of Augmented Experiments (2)E5...
List of Augmented Experiments (2)G...
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ooad 10 G8.pdf
ooad 12 G8.docx
ooad 12 G8.pdf
received.txt
SimpleFileClient.class
SimpleFileClient.java
SimpleFileServer.class
SimpleFileServer.java
Untitled.ipynb
week1.csv
OUTLINE
TIMELINE
Welcome
SimpleFileServer.java
SimpleFileClient.java
hmac.c 4
SimpleFileClient.java
2 import java.net.*;
3
4 public class SimpleFileClient {
5 public static void main(String[] args) throws IOException {
6 String serverAddress = "127.0.0.1";
7 int port = 5000;
8
9 Socket socket = new Socket(serverAddress, port);
10 System.out.println("Connected to server!");
11
12 InputStream in = socket.getInputStream();
13 FileOutputStream fos = new FileOutputStream("received.txt");
14
15 byte[] buffer = new byte[1024];
16 int bytesRead;
17 while ((bytesRead = in.read(buffer)) != -1) {
18 fos.write(buffer, 0, bytesRead);
19 }
20
21 System.out.println("File received successfully!");
22 fos.close();
23 socket.close();
24 }
25 }
26
4 0
Ln 12, Col 50 Spaces: 4 UTF-8 CRLF Java Prettier
ENG IN
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26-03-2025