

FAST National University of  
Computer and Emerging Sciences

Information Security

Assignment 2 – Test Report

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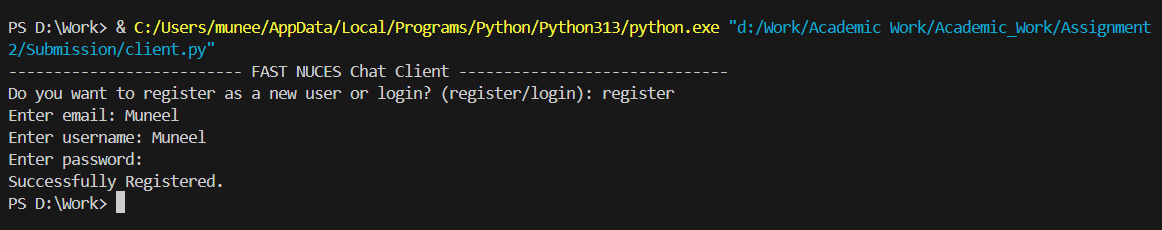
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# **Introduction:**

This report highlights the functionality and security of the Server-Client question. The application utilizes Python sockets in order to accurately implement some fundamental concepts of Information Security. Some of these include Diffie-Hellman key exchange and AES encryption. The objective of this report is to validate system’s functionality, ensure secure data exchange and encrypted communication between two users.

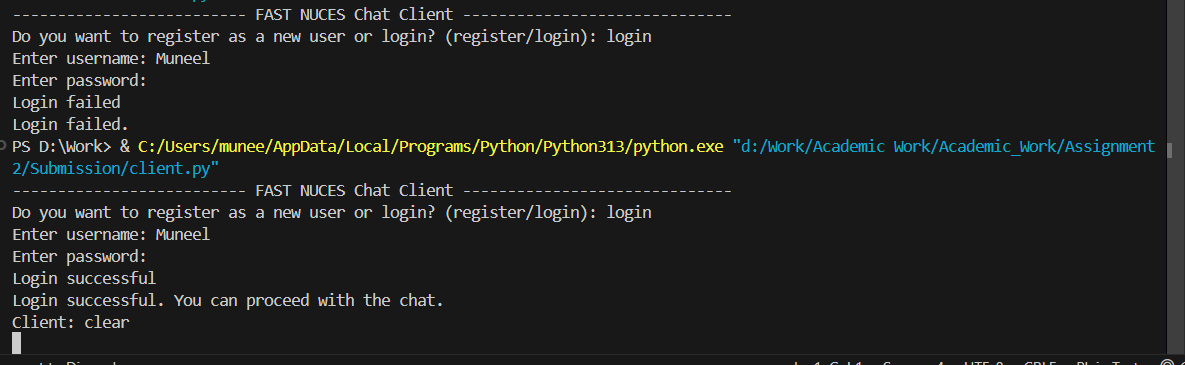
# **Functional Testing:**

# **Registration:**



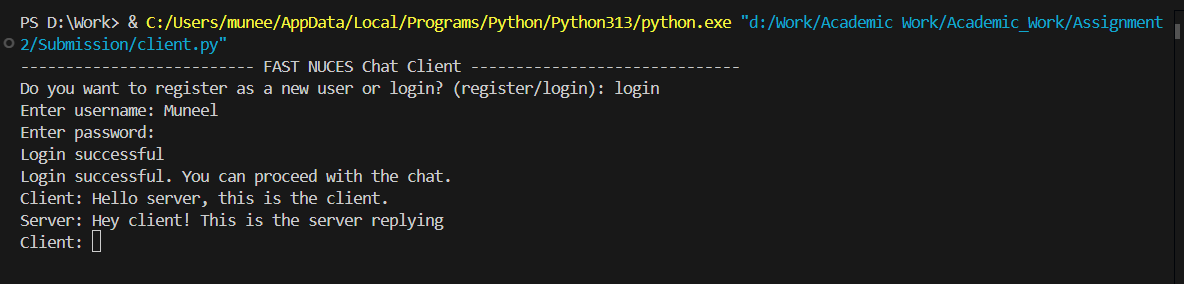
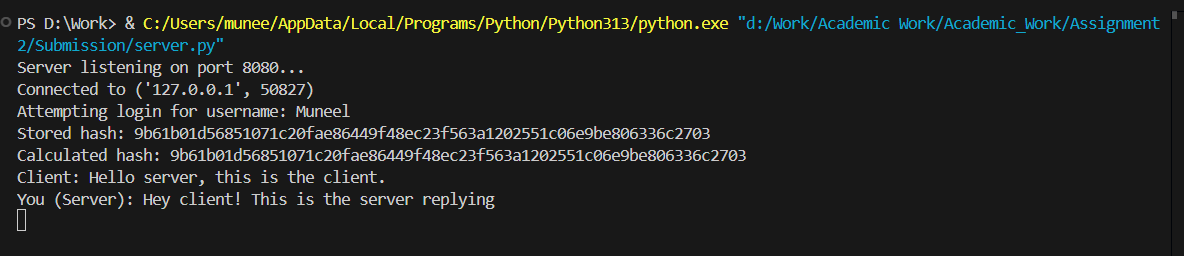
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# **Login:**



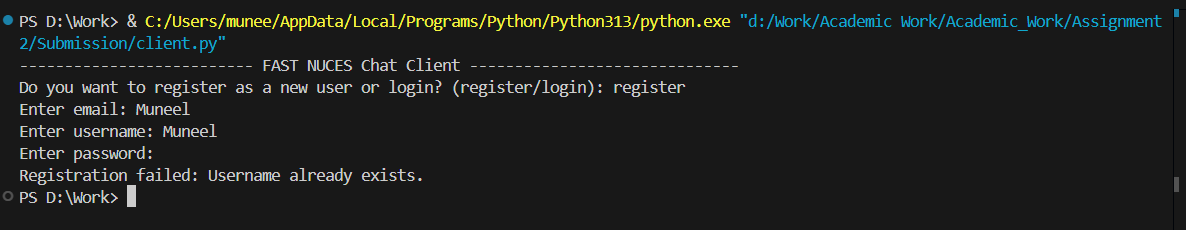
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# **Chat:**

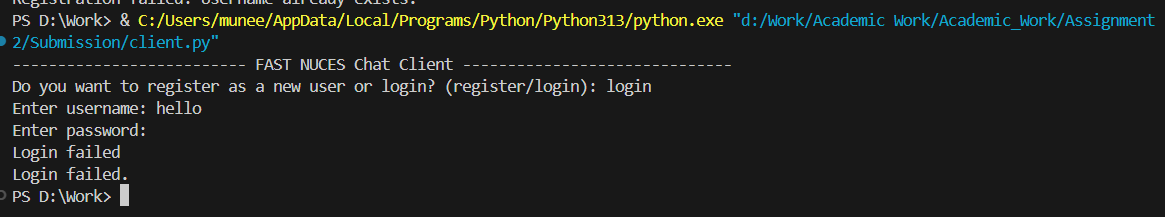
# 

# **Repeated Username Registration:**



# 

# **Incorrect Login Credentials:**

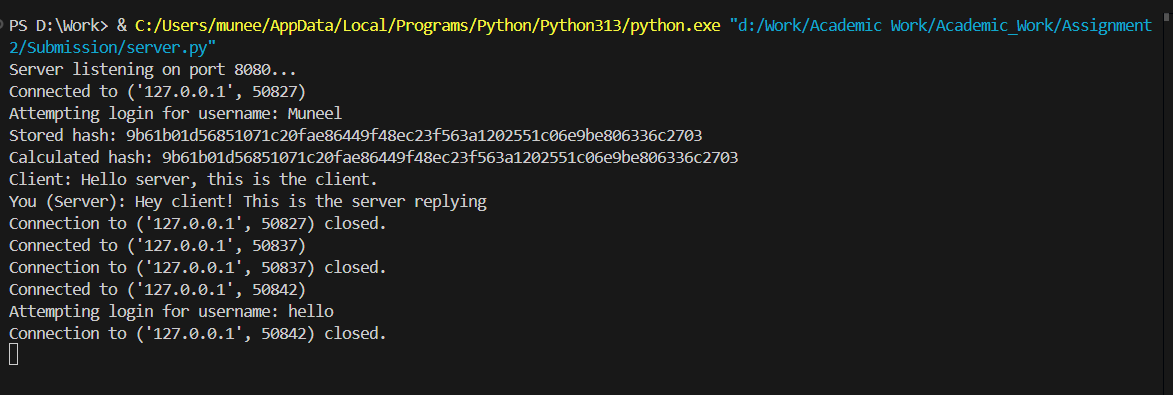


# **Registered Users in creds.txt:**

# 

# 

# **Server:**



# 

# **Security Testing:**

# 