



Lab 3

CS 5-1 - BSCS – Operating System Lab

Name: Sharaiz Ahmed **SAP: 57288**

In this activity, I connected to the assigned server using SSH, which allowed me to securely access it from my own system. After that, I practiced running commands remotely without fully logging in. For example, I used SSH to check the server's current date and time with the date command, and also checked how long the server had been running with the uptime command. This helped me understand how SSH can be used for both interactive login and executing single commands directly.

A screenshot of a Kali Linux desktop environment. A terminal window titled 'kali@kali:~' is open, showing the execution of several SSH commands. The first command is 'ssh kali@10.0.2.15', which prompts for a password. The second command is 'ssh kali@127.0.0.2 "date"', which returns the current date and time. The third command is 'ssh kali@127.0.0.2 "uptime"', which returns the system's uptime and load average. The desktop background is a blue and white keyboard-themed image. The terminal window has a menu bar with 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal output shows the Kali GNU/Linux system's free software license and the results of the SSH commands.

```
kali@kali:~  
File Actions Edit View Help  
[kali@kali]~  
$ ssh kali@10.0.2.15  
kali@10.0.2.15's password:  
Linux kali 6.12.25-amd64 #1 SMP PREEMPT_DYNAMIC Kali 6.12.25-1kali1 (2025-04-30) x86_64  
  
The programs included with the Kali GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Kali GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Tue Sep 9 11:12:21 2025 from 10.0.2.15  
[kali@kali]~  
$ ssh kali@127.0.0.2 "date"  
kali@127.0.0.2's password:  
Tue Sep 9 11:13:38 AM EDT 2025  
[kali@kali]~  
$ ssh kali@127.0.0.2 "uptime"  
kali@127.0.0.2's password:  
11:13:51 up 3:03, 4 users, load average: 0.98, 0.57, 0.42  
[kali@kali]~  
$
```