

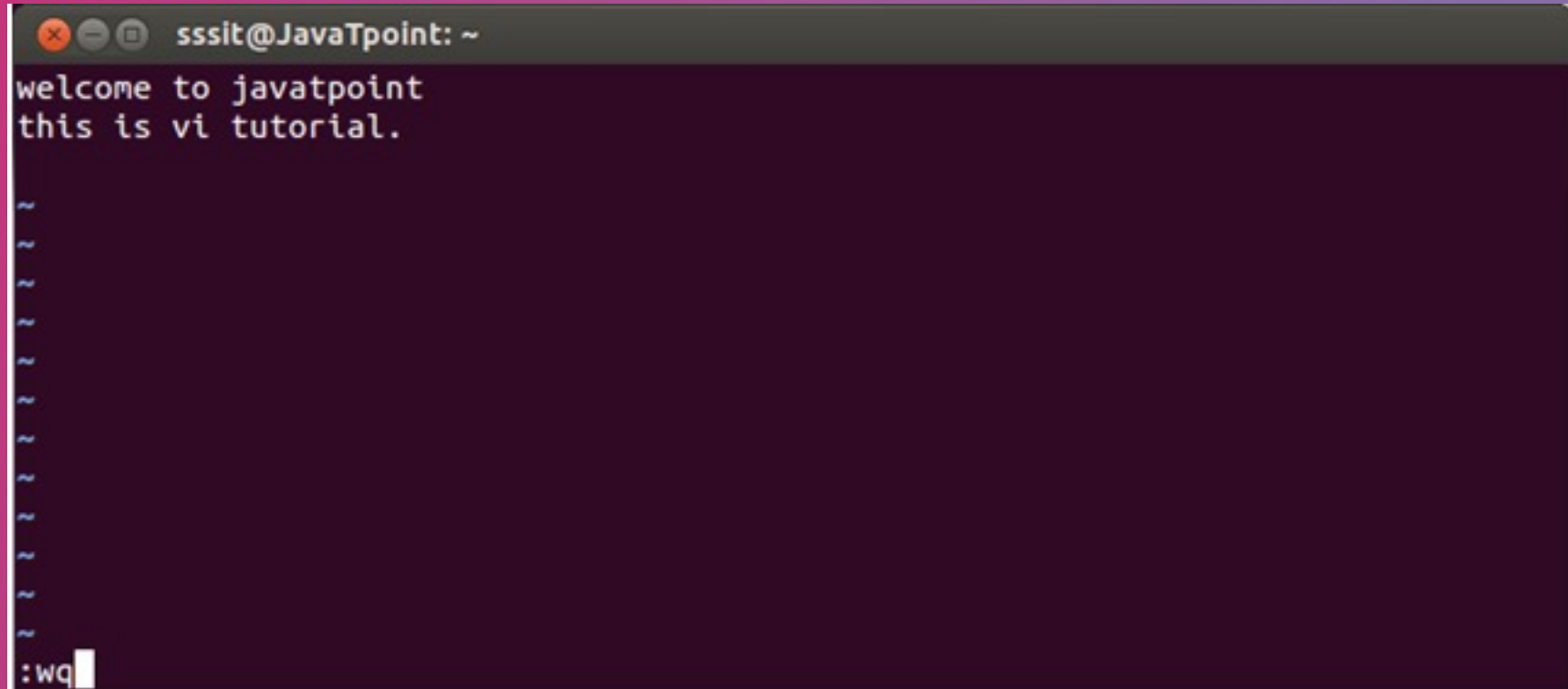


# VI and SSH Keys

**Fundamentals and Background**

# What is VI?

- Vi is a text editor originally created for the Unix operating system.



The screenshot shows a terminal window with a dark background. The title bar at the top reads 'sssit@JavaTpoint: ~'. The terminal content shows two lines of text: 'welcome to javatpoint' and 'this is vi tutorial.'. Below these lines are several empty lines, each starting with a tilde '~' character. At the bottom left, the prompt ':wq' is visible, indicating the user is in command mode and has entered the command to write and quit.

# VI Commands

- To create a new file if it already does not use *vi filename*.
- To open an existing file in the read-only mode use *vi -r filename*.
- To enter text, you must be in the insert mode for which simply type use *I*.
- To come out of the *insert* mode, press the *esc* key, which will take you back to the command mode.

# VI Commands (cont)

- The command to quit out of vi use `:q`. You can combine the above command with the quit command, or use: `wq` and *return*.
- To delete the line the cursor is on use `dd`.
- Use `p` to paste.

# What are SSH Keys?

- A ssh key is a secure access used for the secure shell or ssh.
- ssh keys control access.
- A ssh key relies upon the use of two keys a public and private key that is used as the secure access.
- The private key is only known by the user.
- The public key can be accessed by any ssh server.

