**To find users with empty passwords**

awk -F: '($2 == "") { print $1 }' /etc/shadow

**To** **find Locked Users**

awk -F: '($2 == "!") { print $1 }' /etc/shadow

awk: It is a command-line tool for text processing and pattern matching.

-F:: This option sets the field separator to :. Since the /etc/shadow file is colon-separated, we specify : as the field separator.

($2 == ""): This is the condition we are checking. It compares the second field ($2), which corresponds to the password field in the /etc/shadow file, with an empty string ("").

{ print $1 }: When the condition is true, this part is executed. It prints the first field ($1), which corresponds to the username field in the /etc/shadow file.

/etc/shadow: This is the input file we are processing with awk. It contains the user account information, including the password field.

By using awk with the specified field separator and condition, we can search for lines where the password field is empty and then print the corresponding usernames.