Partial List of items to do to secure vulnerable CTF 9:

Fix and prevent XSS and SQL injection attacks (look in /var/www/html for php files), mysqli Modsecurity
Fix user and application permissions/settings
Fix weak configurations/harden services
Lessen information leaked through banners, errors
Strengthen authentication and passwords
Enable secure remote log reporting to the firewall
Other weaknesses?

Partial List of items for firewall:

Install and configure a firewall and IDS. pfSense is recommended.
Enable rules and settings that make sense for the web server.
Enable a secure way to view logs reported from both this machine and CTF 9.
Other things?

At Minimum...
Modsecurity
Firewall/IDS
Secure php code