I5020 Computer Security

Mission 4: John the Ripper

This assessment evaluates the following competencies:

- *CS003 – Identify weaknesses in a computer system or infrastructure and propose solutions*
- *CS102 – Make connections between cryptographic tools and the CIA triad*
- *CS201 – Discuss about general design principles for protection mechanisms*
- *CS202 – Understand software protections that can be installed on a computer system*
- *CS403 – Discuss about the risks that a company assets are exposed to and propose solutions to decrease them*
- *CS005 – Make links between attacks and threat consequences with the CIA triad*
- *CS406 – Perform a basic external security audit of a website with open source tools*

Use John the Ripper to attack hashed passwords that you have to first generate. You can find the tool and instructions about how to install them at the following address: https://www.openwall.com/john/pro. To succeed the mission, you have to show that you are able to crack your own password database (choose weak passwords so that you do not need to wait for hours or days...).