

1. We are given with website.html and a hash to be cracked for a password
 2. Now to get the words out of the html file, we will host it on localhost and then run cewl on it using
`python3 -m http.server 8000`
<http://localhost:8000>
 3. Now we can use a tool called cewl to get the words out of the website. Using
`cewl -w wordlist.txt http://localhost:8000/website.html`

The screenshot shows a Kali Linux desktop environment. On the left, a terminal window titled 'kali@kali: ~/Desktop' is open, displaying a wordlist named 'wordlist0.txt'. The wordlist contains numerous names and terms related to the Pirates of the Caribbean franchise, such as 'Jack', 'Will', 'Elizabeth', 'Marty', 'Cotton', 'Bootstrap', 'Turner', 'First', 'Liam', 'mate', 'Code', and various locations like 'Bootstrap's Bar', 'Tia Dalma', 'Marty's Cabin', 'Cotton's Cabin', 'Bootstrap's Cabin', 'Turner's Cabin', 'First's Cabin', 'Liam's Cabin', 'mate's Cabin', and 'Code's Cabin'. The terminal also shows the command 'zsh: reading history file /home/kali/.zsh_history'.

On the right, a web browser window is open to the official website for 'Pirates of the Caribbean'. The title bar reads 'Pirates of the Caribbean'. Below it, a subtitle says 'A Voyage Through the Legendary Film Series'. A navigation bar includes links for 'Overview', 'Characters', 'Ships & Locations', 'Film series', and 'Print List'. The main content area features a large image of the cast and the text 'The World of Pirates of the Caribbean'.

4. We can use munging on the wordlist to get the closer enough wordlist of the potential passwords
 5. For this we gitclone munge directory and then run `python munge3.py -l 3 -i wordlist.txt -o munged.txt`

The screenshot shows a Firefox browser window with the title "Firefox ESR - Browse the World Wide Web". The address bar shows the URL "http://127.0.0.1:8080/mongo0.txt". The page content displays a terminal session on a Kali Linux system. The user runs the command "python mongo.py -l 0 -i wordlist0.txt -o mongo0.txt" which results in a syntax error: "SyntaxWarning: invalid escape sequence '\\"'. The output file "mongo0.txt" is created. The user then runs "cat mongo0.txt" and lists numerous MongoDB documents, many of which contain the string "Pirates of the Caribbean". The page has a navigation bar with tabs like "Overview", "Connections", "MongoDB Locations", "Edit Services", and "Private Core".

- Now we have a close enough wordlist, now we will crack password using john using
john target.hash --wordlist=Munged.txt --rules OneRuleToRuleThemAll.rule where
OneRuleToRuleThemAll.rule contains the rules on which most passwords are based.
 - On running this script for almost 20 min, we get the password as sw4shbucker13

9.

10. Now we have the password=sw4shbuckler13, we can submit this as flag in the flag format.