

# TASK 6:

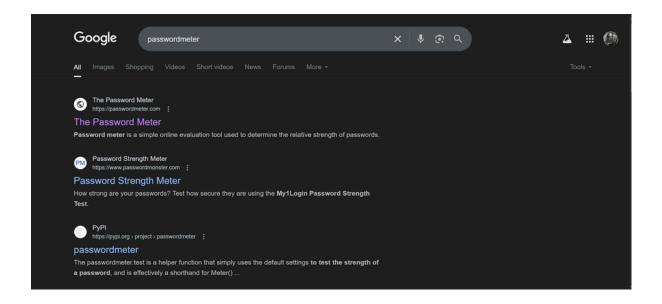
Create a Strong Password and Evaluate Its Strength..



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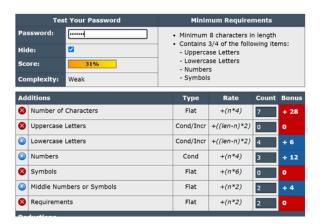
### Step 1:

Objective: Understand what makes a password strong and test it against password strength tools. Tools: Online free password strength checkers (e.g., passwordmeter.com). Deliverables: Report showing password strength results and explanation.



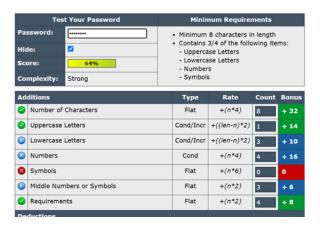
### Step 2:

### The Password Meter



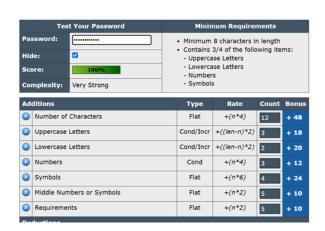
## STEP 3

### The Password Meter



## STEP 4

#### The Password Meter





Password	Complexity Features Used		Strength Score (%)		Tool Feedback
abcd1234	lowercase + numbers		26%		Too short, predictable, lacks s
Abcd1234	Uppercase + lowercase + numl		46%		Moderate strength; lacks syml
Abc@1234	Uppercase + lowercase + numl		68%		Good; suggest increasing leng
A!b2#C3@d4	Mixed case + numbers + multiព្			94%	Strong password
3X!r\$T9&uV^O@	Upper/lower + numbers + spec			100%	Excellent; highly secure
Attack Type		Description		Defense (Password Strategy)	
Brute Force		Tries all possible combinations (e.g., aaaa		Longer, complex passwords increase time	
Dictionary		Uses a list of common words/passwords (		Avoid using common words or patterns.	
Credential Stuffing		Tries known passwords from leaked datak		Use <b>unique</b> passwords for each site.	