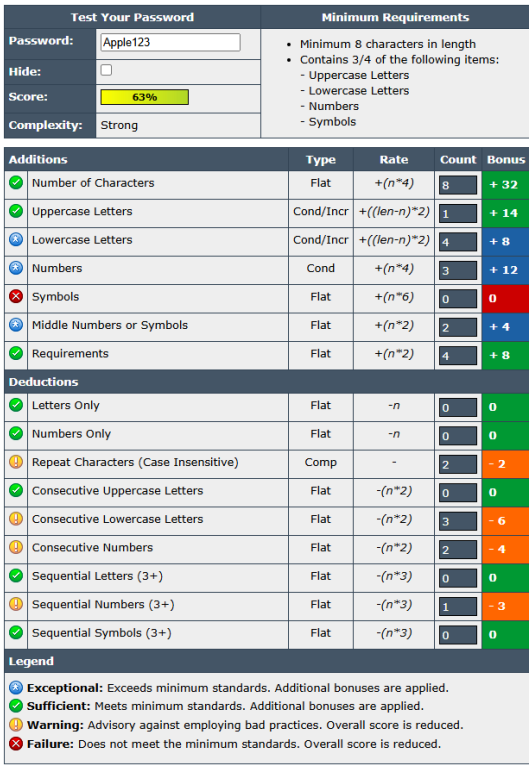
Create Multiple Passwords

Examples with varying complexity:

- apple123 (lowercase + numbers, short length)
- Apple123 (uppercase + lowercase + numbers)
- Apple@123 (adds symbol)
- ApPlE@12345 (mixed case, symbol, longer length)
- Tr0ub4dor&3x@mpl3! (complex passphrase style)
- J7$rNq1zXy!p (randomized, very strong)

Test on Password Strength Checker

https://passwordmeter.com/

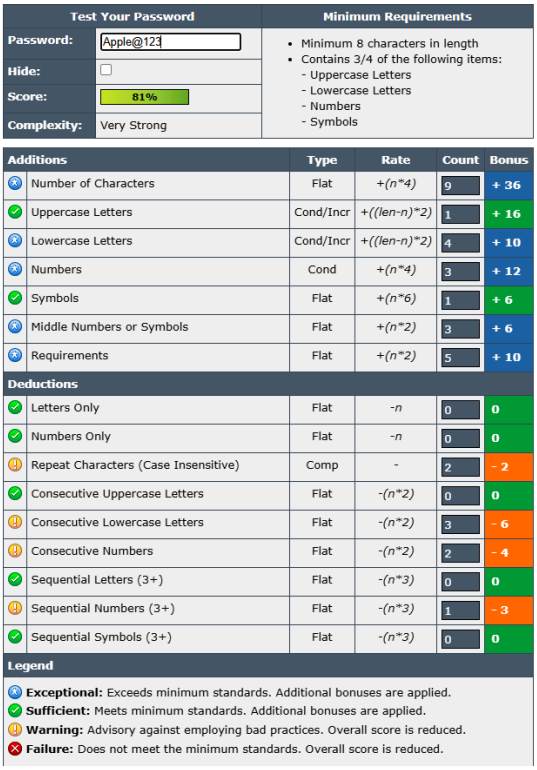


Test Your Password		Minimum Requirements
Password:	Apple123	• Minimum 8 characters in length • Contains 3/4 of the following items: - Uppercase Letters - Lowercase Letters - Numbers - Symbols
Hide:	☐	
Score:	63%	
Complexity:	Strong	

Additions	Type	Rate	Count	Bonus
Number of Characters	Flat	+(n*4)	8	+ 32
Uppercase Letters	Cond/Incr	+((len-n)*2)	1	+ 14
Lowercase Letters	Cond/Incr	+((len-n)*2)	4	+ 8
Numbers	Cond	+(n*4)	3	+ 12
Symbols	Flat	+(n*6)	0	0
Middle Numbers or Symbols	Flat	+(n*2)	2	+ 4
Requirements	Flat	+(n*2)	4	+ 8
Deductions				
Letters Only	Flat	-n	0	0
Numbers Only	Flat	-n	0	0
Repeat Characters (Case Insensitive)	Comp	-	2	- 2
Consecutive Uppercase Letters	Flat	-(n*2)	0	0
Consecutive Lowercase Letters	Flat	-(n*2)	3	- 6
Consecutive Numbers	Flat	-(n*2)	2	- 4
Sequential Letters (3+)	Flat	-(n*3)	0	0
Sequential Numbers (3+)	Flat	-(n*3)	1	- 3
Sequential Symbols (3+)	Flat	-(n*3)	0	0

Legend

Exceptional: Exceeds minimum standards. Additional bonuses are applied.
Sufficient: Meets minimum standards. Additional bonuses are applied.
Warning: Advisory against employing bad practices. Overall score is reduced.
Failure: Does not meet the minimum standards. Overall score is reduced.



Test Your Password		Minimum Requirements
Password:	Apple@123	• Minimum 8 characters in length • Contains 3/4 of the following items: - Uppercase Letters - Lowercase Letters - Numbers - Symbols
Hide:	☐	
Score:	81%	
Complexity:	Very Strong	

Additions	Type	Rate	Count	Bonus
Number of Characters	Flat	+(n*4)	9	+ 36
Uppercase Letters	Cond/Incr	+((len-n)*2)	1	+ 16
Lowercase Letters	Cond/Incr	+((len-n)*2)	4	+ 10
Numbers	Cond	+(n*4)	3	+ 12
Symbols	Flat	+(n*6)	1	+ 6
Middle Numbers or Symbols	Flat	+(n*2)	3	+ 6
Requirements	Flat	+(n*2)	5	+ 10
Deductions				
Letters Only	Flat	-n	0	0
Numbers Only	Flat	-n	0	0
Repeat Characters (Case Insensitive)	Comp	-	2	- 2
Consecutive Uppercase Letters	Flat	-(n*2)	0	0
Consecutive Lowercase Letters	Flat	-(n*2)	3	- 6
Consecutive Numbers	Flat	-(n*2)	2	- 4
Sequential Letters (3+)	Flat	-(n*3)	0	0
Sequential Numbers (3+)	Flat	-(n*3)	1	- 3
Sequential Symbols (3+)	Flat	-(n*3)	0	0

Legend

Exceptional: Exceeds minimum standards. Additional bonuses are applied.
Sufficient: Meets minimum standards. Additional bonuses are applied.
Warning: Advisory against employing bad practices. Overall score is reduced.
Failure: Does not meet the minimum standards. Overall score is reduced.

Test Your Password		Minimum Requirements
Password:	ApPlE@12345	• Minimum 8 characters in length • Contains 3/4 of the following items: - Uppercase Letters - Lowercase Letters - Numbers - Symbols
Hide:	☐	
Score:	100%	
Complexity:	Very Strong	

Additions	Type	Rate	Count	Bonus
Number of Characters	Flat	+(n*4)	11	+ 44
Uppercase Letters	Cond/Incr	+((len-n)*2)	3	+ 16
Lowercase Letters	Cond/Incr	+((len-n)*2)	2	+ 18
Numbers	Cond	+(n*4)	5	+ 20
Symbols	Flat	+(n*6)	1	+ 6
Middle Numbers or Symbols	Flat	+(n*2)	5	+ 10
Requirements	Flat	+(n*2)	5	+ 10
Deductions				
Letters Only	Flat	-n	0	0
Numbers Only	Flat	-n	0	0
Repeat Characters (Case Insensitive)	Comp	-	0	0
Consecutive Uppercase Letters	Flat	-(n*2)	0	0
Consecutive Lowercase Letters	Flat	-(n*2)	0	0
Consecutive Numbers	Flat	-(n*2)	4	- 8
Sequential Letters (3+)	Flat	-(n*3)	0	0
Sequential Numbers (3+)	Flat	-(n*3)	3	- 9
Sequential Symbols (3+)	Flat	-(n*3)	0	0

Legend

Exceptional: Exceeds minimum standards. Additional bonuses are applied.
Sufficient: Meets minimum standards. Additional bonuses are applied.
Warning: Advisory against employing bad practices. Overall score is reduced.
Failure: Does not meet the minimum standards. Overall score is reduced.

Test Your Password		Minimum Requirements
Password:	Tr0ub4dor&3x@mpl3!	• Minimum 8 characters in length • Contains 3/4 of the following items: - Uppercase Letters - Lowercase Letters - Numbers - Symbols
Hide:	☐	
Score:	100%	
Complexity:	Very Strong	

Additions	Type	Rate	Count	Bonus
Number of Characters	Flat	+(n*4)	18	+ 72
Uppercase Letters	Cond/Incr	+((len-n)*2)	1	+ 34
Lowercase Letters	Cond/Incr	+((len-n)*2)	10	+ 16
Numbers	Cond	+(n*4)	4	+ 16
Symbols	Flat	+(n*6)	3	+ 18
Middle Numbers or Symbols	Flat	+(n*2)	6	+ 12
Requirements	Flat	+(n*2)	5	+ 10
Deductions				
Letters Only	Flat	-n	0	0
Numbers Only	Flat	-n	0	0
Repeat Characters (Case Insensitive)	Comp	-	4	- 1
Consecutive Uppercase Letters	Flat	-(n*2)	0	0
Consecutive Lowercase Letters	Flat	-(n*2)	5	- 10
Consecutive Numbers	Flat	-(n*2)	0	0
Sequential Letters (3+)	Flat	-(n*3)	0	0
Sequential Numbers (3+)	Flat	-(n*3)	0	0
Sequential Symbols (3+)	Flat	-(n*3)	0	0

Legend

Exceptional: Exceeds minimum standards. Additional bonuses are applied.
Sufficient: Meets minimum standards. Additional bonuses are applied.
Warning: Advisory against employing bad practices. Overall score is reduced.
Failure: Does not meet the minimum standards. Overall score is reduced.

Test Your Password		Minimum Requirements
Password:	J7$rNq1zXylp	• Minimum 8 characters in length • Contains 3/4 of the following items: - Uppercase Letters - Lowercase Letters - Numbers - Symbols
Hide:	☐	
Score:	100%	
Complexity:	Very Strong	

Additions	Type	Rate	Count	Bonus
Number of Characters	Flat	+(n*4)	12	+ 48
Uppercase Letters	Cond/Incr	+((len-n)*2)	3	+ 18
Lowercase Letters	Cond/Incr	+((len-n)*2)	5	+ 14
Numbers	Cond	+(n*4)	2	+ 8
Symbols	Flat	+(n*6)	2	+ 12
Middle Numbers or Symbols	Flat	+(n*2)	4	+ 8
Requirements	Flat	+(n*2)	5	+ 10
Deductions				
Letters Only	Flat	-n	0	0
Numbers Only	Flat	-n	0	0
Repeat Characters (Case Insensitive)	Comp	-	0	0
Consecutive Uppercase Letters	Flat	-(n*2)	0	0
Consecutive Lowercase Letters	Flat	-(n*2)	0	0
Consecutive Numbers	Flat	-(n*2)	0	0
Sequential Letters (3+)	Flat	-(n*3)	0	0
Sequential Numbers (3+)	Flat	-(n*3)	0	0
Sequential Symbols (3+)	Flat	-(n*3)	0	0

Legend

Exceptional: Exceeds minimum standards. Additional bonuses are applied.
Sufficient: Meets minimum standards. Additional bonuses are applied.
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Password	Strength/Score	Time to Crack	Feedback
apple123	Weak	Seconds	Too short, common pattern
Apple123	Weak/Medium	Minutes	Slightly better, still predictable
Apple@123	Medium	Hours	Add more length & randomness
ApPlE@12345	Strong	Years	Good mix, but still pattern-based
Tr0ub4dor&3x@mpl3!	Very Strong	Centuries	Excellent complexity & length
J7$rNq1zXy!p	Very Strong	Centuries	High randomness, secure

Best Practices for Strong Passwords

- Use at least **12–16 characters**.
- Combine **uppercase**, **lowercase**, **numbers**, and **symbols**.
- Avoid dictionary words or predictable patterns (e.g., Password123).
- Use **passphrases** (e.g., Blue$Tiger!Runs7Fast).
- Ensure **randomness** — don't base passwords on personal info.
- Use a **password manager** to store and generate secure passwords.
- Never reuse the same password for multiple accounts.

Common Password Attacks

- **Brute Force Attack**: Tries all possible combinations until it finds the match.
- **Dictionary Attack**: Uses lists of common words/passwords to guess.
- **Credential Stuffing**: Uses leaked username-password combos from breaches.
- **Phishing**: Tricks user into revealing the password.
- **Keylogging**: Records keystrokes to steal passwords.

How Complexity Affects Security

- **Short & simple passwords** → Cracked in seconds via brute force.
- **Medium complexity** → May last hours or days, but still vulnerable.
- **High complexity + long length** → Resistant to brute force for centuries.
- Randomness is key — predictable substitutions like P@ssw0rd! are still weak.