Task 6

Create a Strong Password and Evaluate Its Strength.

- 1.In this task I use the passwordmeter.com website to find the password strength .
- 2.Passwordmeter website is the users friend to test the how strong the password and it was also show how many character use in the password and is also show how many uppercase ,lowercase and numbers use in the password.

Password:	•••••	Minimum 8 characters in length Contains 3/4 of the following items:
Hide:		 Contains 3/4 of the following items: Uppercase Letters
Score:	59%	Lowercase LettersNumbers
Complexity:	Good	- Symbols

Additions		Туре	Rate	Count	Bonus
3	Number of Characters	Flat	+(n*4)	14	+ 56
8	Uppercase Letters	Cond/Incr	+((len-n)*2)	0	0
3	Lowercase Letters	Cond/Incr	+((len-n)*2)	9	+ 10
3	Numbers	Cond	+(n*4)	4	+ 16
8	Symbols	Flat	+(n*6)	0	0
3	Middle Numbers or Symbols	Flat	+(n*2)	3	+ 6
8	Requirements	Flat	+(n*2)	3	0
De	Deductions				
Ø	Letters Only	Flat	-n	0	0
②	Numbers Only	Flat	-n	0	0
0	Repeat Characters (Case Insensitive)	Comp	-	4	- 1
Ø	Consecutive Uppercase Letters	Flat	-(n*2)	0	0
<u> </u>	Consecutive Lowercase Letters	Flat	-(n*2)	8	- 16
<u>(l)</u>	Consecutive Numbers	Flat	-(n*2)	3	- 6
②	Sequential Letters (3+)	Flat	-(n*3)	0	0
<u>(l)</u>	Sequential Numbers (3+)	Flat	-(n*3)	2	- 6

^{*}Password Strength Analysis (Score: 59%, Complexity: Good)

^{*}In this password only use the numbers, lowercase and middle numbers.

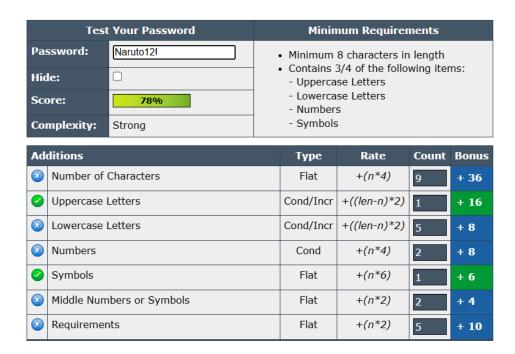
^{*} In this password they don't use the uppers case, symbols.

Test Your Password		Minimum Requirements		
Password:	pasSw0Rd!234	Minimum 8 characters in length Cartains 2/4 of the following items.		
Hide:		 Contains 3/4 of the following items: Uppercase Letters 		
Score:	100%	Lowercase LettersNumbers		
Complexity:	Very Strong	- Symbols		

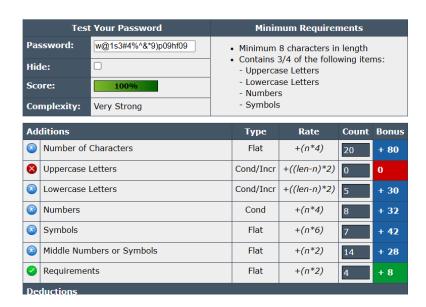
Additions		Туре	Rate	Count	Bonus
*	Number of Characters	Flat	+(n*4)	12	+ 48
3	Uppercase Letters	Cond/Incr	+((len-n)*2)	2	+ 20
3	Lowercase Letters	Cond/Incr	+((len-n)*2)	5	+ 14
③	Numbers	Cond	+(n*4)	4	+ 16
②	Symbols	Flat	+(n*6)	1	+ 6
③	Middle Numbers or Symbols	Flat	+(n*2)	4	+ 8
3	Requirements	Flat	+(n*2)	5	+ 10

^{*}password is very strong because use the uppercase, lowercase, numbers, symbols and number of characters.

^{*} It was the prefect password.



• IT was the weak password because the it only use the 8 characters. The minimum password required 12 characters.



 This password is very strong but it doesn't use the Uppercase characters.

I research some common password attack types are:-

- 1. Brute Force: Tries all combinations
- 2. Dictionary Attack: Uses common words/phrases
- 3. Credential Stuffing: Reuses known leaked passwords.

Conclusion: - In this task we test the password strength use Passwordmeter website.