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**Period 2**

### **AP Computer Science Password Generator Project**

**Step 1:** If there's an odd number of characters, add the first character to the end of the Password

**Step 2:** Change any numbers to its corresponding special character on the keyboard

**Step 3:** Change every other (start on the first letter) letter to the corresponding digit on a keypad.

**Step 4:** Subtract 1 (one) from all odd numbers.

**Step 5:** switch the very first and last characters.

**Step 6:** Subtract 2 from all the even numbers (not including 0).

**Step 7:** Replace all 0 with a capitalized O.

**Step 8:** change the very first special character back to its corresponding character on the keyboard

**Step 9:** find the sum of all the numbers in the password and add that number to the end of the password ( if there are no numbers then add the sum of all characters at the end of the password)

**Step 10:** Add the first character of the sites name to the end of the password and the last character of the sites name to the beginning (if they are letters they should be lowercase.)

Site	Original Password	Links
Facebook	Zuckburger1101	<a href="https://www.facebook.com/">https://www.facebook.com/</a>
Soundcloud	Samsclub12	<a href="https://soundcloud.com/">https://soundcloud.com/</a>
Twitter	Jared6969	<a href="https://soundcloud.com/">https://soundcloud.com/</a>
Instagram	BDbathwater99	<a href="https://www.instagram.com/?hl=en">https://www.instagram.com/?hl=en</a>
Google	SteveBills55	<a href="https://www.google.com/">https://www.google.com/</a>
Myspace	2muchstuff	<a href="https://myspace.com/">https://myspace.com/</a>
Pinterest	password1234	<a href="https://www.pinterest.com/">https://www.pinterest.com/</a>

Site	Converted Password
Facebook	k1uOkOu4gOr!!)611F
Soundcloud	d2a4sOl6b!418s
Twitter	rJa4eO6(^ (212T
Instagram	mBDOa6h6a6e49(O31l
Google	e^tOvOB212s%414G
Myspace	eO4uOh4t6f216M
Pinterest	t44a4s6o4d!@#426P