Lab 4: Deliverables Password Report

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**Password Report Table**

For this activity, I used the example code provided in the lab 4 instructions in order to test the passwords on CrackStation.net.

|  |  |  |
| --- | --- | --- |
| Password | Hash Output | Did CrackStation Work |
| iamjade2001 | cad230be22a2df2aabc7c98d0b6ddbff  7961ebd920d1373aea16aaae95363a76c0fd8fa4ca72244e9d3453a328e8cf95  405bd2883765969bffcfcaabdbb2359c09d2dc9da1e82a08c0623e4364f6d26185ed19c6faa02e65d173dd2cc6302a05eeb46a6c3f6ff7c98679b3bc7da79fb2 | No |
| password1 | 7c6a180b36896a0a8c02787eeafb0e4c  0b14d501a594442a01c6859541bcb3e8164d183d32937b851835442f69d5c94e  bc547750b92797f955b36112cc9bdd5cddf7d0862151d03a167ada8995aa24a9ad24610b36a68bc02da24141ee51670aea13ed6469099a4453f335cb239db5da | Yes |
| p@$$word01 | 2f3ecc601c11021c8e0cd588f9aad16c  593023abb002b0dc4c3ac6cf3b765f594709723dd60180d5595031b0fbd593b5  ed75aeab91698b5f354107a4eb47d07457541476264acd298f818ec4753c0a78fff85cfe384304ba63bb756ff3726d1b8ae940c528381686fa30479ab580c6cc | Yes |
| hash95 | b2c9fbaed33fd30b4150bb937a42ff93  3f3638174df10cf5106a9fce67542d5278726f649637a680430b6df614f07629  712a0340af8b750cd1f257e762382f7811afbe6a0242dfc847c5834d537ab07d53d6a4daa77e35196428c21b5b70bb9d6250a2271b0b2aa43e6ca08567bc5b37 | No (This one shocked me) |
| dog123 | 611c240b5d9a22bf561399383e4dcd6c  6247b537b5e554f6cd13b0afd338dd4f51d596ead330a21e0a3b73b6b6e48944  d5930079581f53c007a15f11256df70d6f337b433ca97bf2df18b718efa0c0f163a9173cd7b78bfaade36dc55569e97d5e08766c201f3a187024d5b0e9e7d17d | Yes |
| luckynumber7 | 03bab473978373ce1792585830997702  0dbd540cc6d0b2a4ee413bff6048ebad333c0a62d079aa12bcd8f60de2b0ae52  81dbfcf7c3e0e84223718f8ca3ddd9f3b3f1a47006bdb6d627e3359715bba5083cb4887e194ce3be505e503f4f0f6099ac6319650e66a07a5e746260db80befb | Yes |
| Ihavetowalkthedog123 | 4040ea9cf458fe7df6aba8a31ba08b29  5c1cc3a8c9aaeff03862c631a361d8138f8f3ed3633b0cad648112316568a01c  ec0f55aceb226fd8bdd7f3226b2a6d3d4e430837d6b706340eb7adeede32990a8c29023516b2b1cc0341843dde1e8c508ccd87c2c486d41d356132dc3cb93eb1 | No |
| jade2001 | fc2d98216d25937340a06c911009489e  292fe17afedf51c0c14e332ac4336f4bb6103edb6833cf4eea771ad49fe45b6f  1eb14e1816a79c7c604a7be4959bf78f68b40234af84aa2b15afabd74caa34d1ff77dc0d4ae84d2a7623ff4034efdd84e728b0e07c6a0cc0748bfc5aa0331204 | Yes |
| ilikepickles | 23a2f5cbaad6912395d594b2b58b59d1  53eb2d02d085fbf2a56f8371006038a29225b7ad09ba9449c4cf912540abfc52  b243eeb8e32f40c000a71af07cb27fed86b4f97d7918364a3f9368e172fba8e1768e057717b5211bffbeb531a63dda964f2df91b6f4c3306babc591db0f8670a | Yes |
| PizzaPizza | 3978c36330d63bccc68c4a5e008c37d2  ebc1731a195260a24e36c33ec1edeb38dfdc3b6920b417056fd916cf2d6cd22e  051d14eca3f48c83f5f5d76dc69e697bff74d75ffb6ba7e513af9f2acd31a34f5dd2c390951aed38a1f5bc93807bdabea5c717428e5574116feb5d2e74c1a826 | Yes |
| todayisthe5thday | 0eb7865ff3c8ec7e4314369c26a621ef  de68b267cbaad2ab84ffbb838a1a39a490969db559b0686eaf775961982fde82  b0e869178c42bbc793f743125849aadf1a26276c37358ddaf44b54814ea72fa6440b1f5d44bc48c85a6c15046ee50b37da25d5bbe44bba7dd21014a9c55f3119 | No |
| nU4=o9H& | 5fe4ee8496696f8daaa7069c2efd7e33  b719763b8afc23055d7b1b35801f2c027d51e4a2883db56328b6c94fbc461c6c  cb30e1f5af289f94fc112e01f757067221b7f0e07d38c7eaf59ae91f750e859949367266c8bcf50e222278c9c016079c7fabcc14404b7d116d66f58f28967211 | No |
| 5Re= | 20003e35aad6f7c15b5506d25e56cb7d  fe2b741f64f7edc2041c829569309405dfec4f0257569ee2b55e1381db2f6407  2e0b15e1520c98055436c3cad9101701d367e93f795299c3bfaa9fa68e97fb3fdea1defd93e99fb40e57e04201a341cea2d404b3aa5320c547803b1b89853525 | No |
| w&En2TRl0=br | 629bbf8342ad5b205236ecd8a5e7bb5b  65f81484dab4c294e266eceacc60f487a7b7b98af38e4b3fe1c91a0dadc66af8  39ecf155819b49170490675f82bda6beeaa5f545f2a2b268884ade986cefcfed7199fa88321a1bfe9db7e77c9fdb2096624d155acbadedca20ed9336c4ba614f | No |
| DaveReid1976 | 97f6ef753ce57ac74d94bf8a859a5941  2037c38df0ce79794b5996803cf01d020e6ae0463364c414cbdf4ac49022f704  ff1b32977fd1ae8b2ff98ab5c2f9cfd2b08404e76e542fc70236b3c236234d3ae390b00c2a9e5ae439705fc26df2f0b7663df453996160edebed75c3f327ae4f | No |
| Dave1976 | 7992126a234e85d8bdfcb66ca4d2261e  4fafc66de8851b1153e2181576b8945bbb1a77aa5506ce68d626b0fc05b62a98  77c373937bf8f45073e875bb78ed1fcba2c9c26995321df4f7b62a12409b34c3df4c4d98a63e57685a482d406c0e57088b2443849dbff107a3a79b275b2d3a9e | Yes |
| tus+oriSp7 | 399e0aded35b42737b11f0c0a9bc6e45  49c96db5d7293de1ce00630e4520726d127349a54fc7780c9af6ed26f979cc7c  5c7c45d052f486120c5482fc0665a4ad706d262e7cdbcbe7d2de3a982784ab4de27d13091444ce75fa8589eb48a1c7ba00555c6e63fc157d79f891ca788e2f91 | No |
| kUpRU3Az?c | f1576e52c77017f56189251d4c222669  236f851341491c38d969d4bdd32ff1e19c61d0617dcfa5d9888e7110377d8697  bd8bf6301eb8ddec33b73b370fc435484fefbd32ec370fd970bbccf47891d3a410d1d2626b05201ef07c2a54a43e5a1a22c59f84490438ea7bf5848721637d39 | No |
| UMGC123 | ebd1990f9976de1f64599c8c029bb3cb  9175ebf5f3f5c611aaf2dda09374494296999aa0adb56ee7ffea6e373f139da8  c4337abd31435b7a42ea2723635fbf9589fd939e9eceacc40fa9d098718a0285672499e82a8d623c536c8c099d099f97a78b0828ee6f0707d74da78e1ac32ea5 | No |
| d0G123 | 7908ce184bb04a28b57339fc9181c3a7  d7b80e316ffb447497659c643bb28183a9394b426b4e7b7ee2484f410cce15e8  1113a8fee47ef867a5146f10df25caba0f79c46accab07f53c615a74dec0eff474444d8f00af57d34c527faf2852ce05b6a7aa3615aafa703062456b86b872c5 | No |

**Reflection**

This activity had some results that relatively surprised me. Some of the passwords I had entered into CrackStation would surely be considered “easy”. One of the passwords I entered was hash95 which was not caught by the password cracker. It shocked me that it did not crack such an easy password. However, I do think that it is not safe practice to have such passwords. I noticed from this activity that password crackers are less likely to be cracked if they are more salted than if they are easy.

I learned that a good password shouldn’t be too short but does not necessarily have to be too long to be strong. Passwords can be anywhere between 8-12 characters and be strong enough to not be cracked. However, I am certain that CrackStation is not the only password cracking software and it is probably far from being the most advanced one out there. This is especially plausible since hackers nowadays may be desperate enough to make and use stronger software than a publicly available password cracker to crack these codes.

It would remain in our best interest as users and computer scientists to have passwords with varying characters with uppercase/lowercase letters, numbers, and special characters. At minimum they should be salted with these capacities but having randomly generated passwords such as those you can get from Norton’s password generator tends to be a stronger line of password defense. The only con to having randomly generated passwords is that they can be a lot harder to memorize for yourself to use without writing it down somewhere where someone in person could steal and use those. You may be able to generate a strong password if it is a salted out 12 character password. You can take a 12 character password and replace some of the alpha characters with special characters and be sure to also have numbers in the mix. I can turn breakfast2001 into something like br3@kF@$t2001! and it would be harder to crack.