

## Extension 6: Let's get Cracking!

Here is a list of the 10 most common passwords. However, we only have the hashes and forgot to write down what the plain password is! In this part, you will use your python program from parts 0 to 5 to figure what the plain text for each hash is.

Plain text	Username	Hash
	James	b'\x81\xdc\x9b\xdbR\xd0M\xc2\x006\xdb\x81>\xd0U'
	Robert	b"\xad\xffD\xc5\x10/\xca'\x9f\xceY\xab\xf6o\xee"
	John	b'%\xf9\xe7\x942;E8\x85\xf5\x18\x1f\x1bbM\x0b'
	Joseph	b'\xd5\xaa\x17)\xc8\xc2S\xe5\xd9\x17\xa5&HU\xea\xb8'
	Andrew	b'\xd0v>\xda\xa9\xd9\xbd*\x95\x16(\x0e\x90D\xd8\x85'
	Ryan	b'\n\xcfE9\xa1K:\xa2}\xee\xb4\xcb\xdfn\x98\x9f'
	Brandon	b'\x1b\xbd\x88d'\x82p\x15\xe5\xd6\x05\xedD%"Q'
	Jason	b'vA\x9cXs\r\x9f5\xdez\xc58\xc2\xfdg7'
	Sarah	b'[\xad\xca\xf7\x89\xd3\xd1\xd0\x97\x94\xd8\xf0!\xf4\x0f\x0e'
	Amber	b"_M\xcc;Z\xa7e\xd6\x1d\x83'\xde\xb8\x82\xcf\x99"

Each of these hashes will match one of these plain text passwords:

monkey	11111111	qazwsx	ashley
password	freedom	michael	starwars
	123456789	1234	

### Task 6.1: What is the password?

Go back to the website for today's workshop. In your room folder, you should be able to find a text file called `account_info.txt` with the list of the hashes provided above for you to copy and paste into your python program for convenience.

For each hash given above, see if you can use the code you made today to work out the hash of each of the possible plain passwords and match them up!

Once you figure out a username and password pair, try putting it into the Meme Exchange website.