Hashing

1. What’re the three major advantages of hash functions to the blockchain? (list at least two instance in which hash functions are used in Bitcoin, and why)
2. Can two different input map to the same hash result?
3. You’re the CTO of facelook. You want to create a login system that will not store the password of your users, instead your system will store only the hashed password. What’s the drawback of such a system? What can you do to strengthen your login system?