

```
1  """
2  security/password.py is the file that handles password security/testing.
3
4  Hashing algorithm used is SHA256, using a builtin python library hashlib
   for hashing.
5  """
6
7  import hashlib
8
9
10 def hash_password(password):
11     """
12     Hashes the parameter password (String) and returns it in hexadecimal.
13
14     :returns password in hexadecimal
15         password: String
16     """
17     sh = hashlib.sha256()
18     sh.update(password)
19     return sh.hexdigest()
20
21
22 def compare_passwords(pw1, pw2):
23     """
24     Compares two (hashed) passwords and returns result.
25
26     :returns if they are identical
27         boolean
28     """
29     if pw1 == pw2:
30         return True
31     return False
32
```