

```
import hashlib
```

```
import unittest
```

```
def hsh_pswd(password):
```

```
    return hashlib.sha256(password.encode()).hexdigest()
```

```
def verify_passwd(stord_passwd_hash, providd_passwd):
```

```
    return stord_passwd_hash == hashlib.sha256(providd_passwd.encode()).hexdigest()
```

```
password = "securepassword"
```

```
hashd_pswd = hsh_pswd(password)
```

```
print(f"Hashed password: {hashd_pswd}")
```

```
print(verify_passwd(hashd_pswd, "securepassword"))
```

```
print(verify_passwd(hashd_pswd, "wrongpassword"))
```

```
class TestPasswordHashing(unittest.TestCase):
```

```
    def test_verify_password(self):
```

```
        passwd = "securepassword"
```

```
        hshed_pswd = hsh_pswd(passwd)
```

```
        self.assertTrue(verify_passwd(hshed_pswd, passwd))
```

```
        self.assertFalse(verify_passwd(hshed_pswd, "wrongpassword"))
```

```
if __name__ == "__main__":
```

```
    unittest.main()
```