import re

def validate\_password(password):

if len(password) < 8:

return False

if not re.search(r'\d', password):

return False

if not re.search(r'[!@#$%^&\*(),.?":{}|<>]', password):

return False

return True

def test\_passwords():

test1 = validate\_password('abc1$')

assert test1 == False

test2 = validate\_password('abcd@xyz')

assert test2 == False

test3 = validate\_password('abcd1234')

assert test3 == False

test4 = validate\_password('abcd@xyz')

assert test4 == False

test5 = validate\_password('abc1@def')

assert test5 == True

test6 = validate\_password('MyPass123!')

assert test6 == True

test7 = validate\_password('1234@5678')

assert test7 == True

test8 = validate\_password('abcdefgh')

assert test8 == False

test9 = validate\_password('abcd1234')

assert test9 == False

test10 = validate\_password('Ab1$xyz9')

assert test10 == True

if \_\_name\_\_ == '\_\_main\_\_':