**9.Write a Python function that generates a random password. The password should contain a mix of uppercase letters, lowercase letters, digits, and special characters.**

import random

import string

def generate\_password(length=10):

characters = string.ascii\_letters + string.digits + string.punctuation

password = ''.join(random.choice(characters) for \_ in range(length))

return password

random\_password = generate\_password()

print("Random Password:", random\_password)

**OUTPUT**:

