def separate\_elements(lst):

integers = [x for x in lst if isinstance(x, int)]

floats = [x for x in lst if isinstance(x, float)]

strings = [x for x in lst if isinstance(x, str)]

return integers, floats, strings

mixed\_list = [1, 2.5, 'hello', 3, 'world', 4.8]

integers, floats, strings = separate\_elements(mixed\_list)

print(f"Integers: {integers}, Floats: {floats}, Strings: {strings}")