Exceptions and Assertions
Common Types of Exceptions

TypeError: Passing an inappropriate type to an operation
Ex. \( x = 5 + \) "hello"

IndexError: Out-of-range sequence index
Ex. \test = [1, 2, 3] \\
\print(test[3])

NameError: Failure to find a local or global name
Ex. \print(x) where x hasn't been defined

ValueError: Raised when a built-in operation or function receives an argument that has the right type but an inappropriate value, and the situation is not described by a more precise exception such as IndexError.
Ex. \int() takes a string, such as \int("2"), but \int("two") doesn't work