# Screenshots of Run Code from 4.8.2 \*\*kwargs

A computer screen shot of a black background

AI-generated content may be incorrect.

A computer screen with text and numbers

AI-generated content may be incorrect.

A screen shot of a computer program

AI-generated content may be incorrect.

# Advantages & Disadvantages of \*\*kwargs

**Advantages:**

1. You can feed the function any number of arguments without first creating a predefined dictionary to hold them all.
2. Unlike with \*args, you’re able to assign a name to each value, so the order you enter them in does not matter.
3. Can be used to unpack predefined dictionaries storing keyword arguments so that they can be used directly inside the function.

**Disadvantages:**

1. Especially in the case of following the standard naming convention, can reduce the readability of the code, making it harder to know what the argument stands for.
2. Increases the potential for error as a result of typos made while entering the keyword argument names.
3. Using \*\*kwargs can increase the likelihood of letting your functions handle too many things by not making you explicitly define the necessary arguments. This can lead to functions that are too complex and should be broken down into smaller, simpler pieces.