## **Function Dependencies Analysis**

October 7, 2024

```
def multiply(x, y):
    return x * y

def add(a, b):
    return a + b

def compute_total(x, y, z):
    return add(multiply(x, y), z)
dependencies?
```



Thought for a few seconds ∨

The dependencies among the functions are as follows:

- multiply(x, y): This function does not depend on any other functions; it simply returns the product of x and y.
- add(a, b): This function is also independent and returns the sum of a and b.
- compute\_total(x, y, z): This function depends on both multiply and add. It first calls multiply(x, y) to compute the product of x and y, and then uses add(result, z) to add z to that product.

## **Dependency Hierarchy:**

- compute total → depends on multiply and add
  - multiply → independent
  - add → independent

Continue this conversation

Report content | Terms of use | Privacy policy |