

Function Dependencies Explanation

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```
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)
```

Given the following code, can you explain the dependencies between the functions `multiply`, `add`, and `compute_total`?



Thought for 5 seconds ▾

Certainly! Let's break down the dependencies between the three functions: `multiply`, `add`, and `compute_total`.

1. `multiply(x, y)`

- **Purpose:** Computes the product of `x` and `y`.
- **Dependencies:** This function is **independent**; it does not call any other functions within the code you've provided.
- **Usage:** Can be used standalone to perform multiplication.

2. `add(a, b)`

- **Purpose:** Computes the sum of `a` and `b`.
- **Dependencies:** Like `multiply`, this function is **independent** and does not rely on other functions in the provided code.

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