

```
from swarms.tools.tool_parse_exec import parse_and_execute_json
```

```
# Example functions to be called
```

```
def add(a: int, b: int) -> int:
```

```
    """
```

```
    Adds two integers and returns the result.
```

```
    Parameters:
```

```
    a (int): The first integer.
```

```
    b (int): The second integer.
```

```
    Returns:
```

```
    int: The sum of the two integers.
```

```
    """
```

```
    return a + b
```

```
def subtract(a: int, b: int) -> int:
```

```
    """
```

```
    Subtracts two integers and returns the result.
```

```
    Parameters:
```

```
    a (int): The first integer.
```

```
    b (int): The second integer.
```

Returns:

int: The difference between the two integers.

```
"""
```

```
return a - b
```

```
def multiply(a: int, b: int) -> int:
```

```
"""
```

```
Multiply two numbers.
```

Args:

a (int): The first number.

b (int): The second number.

Returns:

int: The product of the two numbers.

```
"""
```

```
return a * b
```

```
# Example usage
```

```
functions_list = [add, subtract, multiply]
```

```
json_input = """
```

```
{
```

```
"function": [
```

```
  {"name": "add", "parameters": {"a": 10, "b": 5}},
```

```

        {"name": "subtract", "parameters": {"a": 10, "b": 5}},
        {"name": "multiply", "parameters": {"a": 10, "b": 5}}
    ]
}
"""

json_input_single = """
{
    "function": {"name": "add", "parameters": {"a": 10, "b": 5}}
}
"""

```

```

# Testing multiple functions
results_multiple = parse_and_execute_json(
    functions=functions_list,
    json_string=json_input,
    parse_md=False,
    verbose=True,
)

print("Multiple functions results:\n", results_multiple)

```

```

# Testing single function
results_single = parse_and_execute_json(
    functions=functions_list,

```

```
json_string=json_input_single,  
parse_md=False,  
verbose=True,  
)  
print("Single function result:\n", results_single)
```