python > day5 > task > task3.py > add

```python
#task1
def add(a, b):
    return a + b
result1 = add(5, 10)
print("Sum 1:", result1)

result2 = add(-3, 7)
print("Sum 2:", result2)

result3 = add(100, 250)
print("Sum 3:", result3)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka> cd python
PS D:\karka\python> cd day5
PS D:\karka\python\day5> cd task
PS D:\karka\python\day5\task> python task3.py
Sum 1: 15
Sum 2: 4
Sum 3: 350
```

```python
#task 1
def sayHello():
    print("Hello, World!")
sayHello()
def sayHello(name):
    print(f"Hello, {name}!")
sayHello("Alice")
sayHello("Indujaa")

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka> cd python
PS D:\karka\python> cd day5
PS D:\karka\python\day5> cd task
PS D:\karka\python\day5\task> python task3.py
Sum 1: 15
Sum 2: 4
Sum 3: 350
PS D:\karka\python\day5\task> python task3.py
Hello, World!
Hello, Alice!
Hello, Indujaa!
```

```python
#task 3
multiply = lambda x, y: x * y
print("multiply(5, 3):", multiply(5, 3))
print("multiply(10, -2):", multiply(10, -2))
print("multiply(0, 100):", multiply(0, 100))
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka\python\day5\task> python task3.py
Sum 1: 15
Sum 2: 4
Sum 3: 350
PS D:\karka\python\day5\task> python task3.py
Hello, World!
Hello, Alice!
Hello, Indujaa!
PS D:\karka\python\day5\task> python task3.py
multiply(5, 3): 15
multiply(10, -2): -20
multiply(0, 100): 0
```

```python
#task 4
def multiply(a, b):
    return a * b
print("multiply(4, 7):", multiply(4, 7))
print("multiply(-1, 8):", multiply(-1, 8))
print("multiply(6, 0):", multiply(6, 0))
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka\python\day5\task> python task3.py
Hello, World!
Hello, Alice!
Hello, Indujaa!
PS D:\karka\python\day5\task> python task3.py
multiply(5, 3): 15
multiply(10, -2): -20
multiply(0, 100): 0
PS D:\karka\python\day5\task> python task3.py
multiply(4, 7): 28
multiply(-1, 8): -8
multiply(6, 0): 0
```

```python

#task 5
def divide(a, b):
    if b != 0:
        return a / b
    else:
        return "Cannot divide by zero"
print("divide(10, 2):", divide(10, 2))
print("divide(7, 0):", divide(7, 0))
print("divide(20, 4):", divide(20, 4))

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka\python\day5\task> python task3.py
multiply(5, 3): 15
multiply(10, -2): -20
multiply(0, 100): 0
PS D:\karka\python\day5\task> python task3.py
multiply(4, 7): 28
multiply(-1, 8): -8
multiply(6, 0): 0
PS D:\karka\python\day5\task> python task3.py
divide(10, 2): 5.0
divide(7, 0): Cannot divide by zero
divide(20, 4): 5.0
```

```python
#task 6
def factorial(n):
    if n < 0:
        return "Factorial not defined for negative numbers"
    result = 1
    for i in range(1, n + 1):
        result *= i
    return result
print("factorial(5):", factorial(5))
print("factorial(0):", factorial(0))
print("factorial(3):", factorial(3))

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka\python\day5\task> python task3.py
multiply(4, 7): 28
multiply(-1, 8): -8
multiply(6, 0): 0
PS D:\karka\python\day5\task> python task3.py
divide(10, 2): 5.0
divide(7, 0): Cannot divide by zero
divide(20, 4): 5.0
PS D:\karka\python\day5\task> python task3.py
factorial(5): 120
factorial(0): 1
factorial(3): 6
```

```python

#task 7
def square(number):
    return number ** 2
print("square(4):", square(4))
print("square(-3):", square(-3))
print("square(0):", square(0))

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\karka\python\day5\task> python task3.py
divide(10, 2): 5.0
divide(7, 0): Cannot divide by zero
divide(20, 4): 5.0
PS D:\karka\python\day5\task> python task3.py
factorial(5): 120
factorial(0): 1
factorial(3): 6
PS D:\karka\python\day5\task> python task3.py
square(4): 16
square(-3): 9
square(0): 0
```