Assignment > 🐍 my_module.py > 🔶 greet

```python
1  """Create a custom module named my_module.py with a function gre
2  that prints a greeting message. Write another script to import
3
4  """
5
6  def greet(name):
7      print(f"Hello {name}")
8  # greet()
```

Assignment > 🐍 impomymodule.py

```python
1  import my_module
2
3  my_module.greet("Nikhil")
```

module1.py

mypackage > module1.py > ...
```python
1  def add(a,b):
2      print(f"sum = {a+b}")
3
4
5
6
```

module2.py

mypackage > module2.py > difference
```python
1  def difference(a,b):
2      print(f"difference= {a-b}")
```

add_diff.py

add_diff.py
```python
1  from mypackage import module1,module2
2
3
4  module1.add(3,4)
5  module2.difference(3,4)
```

PROBLEMS OUTPUT TERMINAL PORTS

> TERMINAL

```
PS C:\Users\nikhi\OneDrive\Desktop\py> & C:/Users/nikhi/AppData/Local/Programs/Python/Python312/python.exe c:/Users/nikhi/OneDrive/Desktop/py/add_diff.py
sum = 7
PS C:\Users\nikhi\OneDrive\Desktop\py> & C:/Users/nikhi/AppData/Local/Programs/Python/Python312/python.exe c:/Users/nikhi/OneDrive/Desktop/py/add_diff.py
sum = 7
difference= -1
```

```python
import calculator
def main():
    while True:
        print("\nAvailable operations:")
        print("1. Add")
        print("2. Subtract")
        print("3. Multiply")
        print("4. Divide")
        print("5. Exit")
        choice = input("Enter your choice (1/2/3/4/5): ")
        if choice==5:
            print("Thank you for commong,By By...")
            break
        if choice not in(["1","2","3","4"]):
            print("Pleace enter a valid choice...")
            continue
        try:
            num1=int(input("Enter first number:"))
            num2=int(input("Enter 2nd number"))
            if choice=="1":
                result=calculator.add(num1,num2)
                print(f"The sum of the numbers = {result}")
            elif choice=="2":
                result=calculator.difference(num1,num2)
                print(f"The difference of the numbers = {result}
            elif choice=="3":
                result=calculator.product(num1,num2)
                print(f"The product of the numbers = {result}")
            elif choice=="4":
                result=calculator.divition(num1,num2)
                print(f"The division of the numbers = {result}"
        except ValueError:
            print("Please enter an integer")
        except ZeroDivisionError:
            print("divition by zero is not allowed")
main()
```

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

def difference(a,b):
    return a-b


def product(a,b):
    return a*b


def divition(a,b):
    if b==0:
        return ZeroDivisionError("division by zero is not possib
    else:
        return (a/b)
```

```python
""" Write a program to create a module name my_functions
and perform string manipulation function for counting
the vowels and reversing the string
"""


def string_manipulation(string):
    count=0
    vowels="aeioqAEIOQ"
    for i in string:
        if i in vowels:
            count+=1
    print(f"number of vowels in the string is {count}")
    print(f"reverse of the string = {string[::-1]}")

string_manipulation("Nikhil")
```

```python
"""Write a program that iterates through numbers from 1 to 100.
If the number is divisible by 3, print "Fizz".
If the number is divisible by 5, print "Buzz".
If the number is divisible by both 3 and 5, print "FizzBuzz".
Otherwise, print the number itself."""


for i in range(1,101):
    if i%3==0 and i%5==0:
        print("FizzBuzz")
    elif i%3==0:
        print("Fizz")
    elif i%5==0:
        print("Buzz")
    else:
        print(i)

```