

```
def add(x,y):  
    return x + y
```

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def minus(x,y):  
    return x - y
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def times(x,y):  
    return x * y
```

```
def divided(x,y):  
    quotient = x // y  
    remainder = x % y  
    return quotient, remainder
```

```
while True:  
    operation = input("Please choose the operation (1) add (2) minus (3) times (4) division  
(input any other character to end the programme):\n")  
    if operation in ["1", "2", "3", "4"]:  
        num01 = int(input("Please input the first number: \n"))  
        num02 = int(input("Please input the second number: \n"))  
        if operation == "1":  
            print(f"{num01} + {num02} = {add(num01, num02)}")  
        elif operation == "2":  
            print(f"{num01} - {num02} = {minus(num01, num02)}")  
        elif operation == "3":  
            print(f"{num01} * {num02} = {times(num01, num02)}")  
        else:  
            if num02 == 0:  
                print(f"Divisor can't be 0")  
            elif num01 % num02 == 0:  
                print(f"{num01} / {num02} = {divided(num01, num02)[0]}")  
            else:  
                print(f"{num01} / {num02} = {divided(num01, num02)[0]} ... {divided(num01,  
num02)[1]}")  
        else:  
            print("Bye!")  
            break
```