Example: Python Calculator

```python
import math

# to write output of the process to file
output = open("newFile.txt", "w")

def sum(x, y):
    return x + y

def sub(x, y):
    if x > y:
        return x - y
    else:
        return y - x

def div(x, y):
    return x / y

def mul(x, y):
    return x * y

def expo(x):
    return math.pow(x, 2)

def base(x):
    return math.sqrt(x)

enter = ""

(1) summation
(2) subtraction
(3) multiplication
(4) division
(5) calculate square
(6) extraction
""
```
print("enter")

for i in range(10):
    print("Process ",i+1)
    question = input("Please select a number to do calculation: ")

    if question == "1":
        number1 = int(input("Enter first number: "))
        number2 = int(input("Enter second number: "))
        out="{} +{}={}"
        print(out.format(number1,number2,sum(number1,number2)))
        print(out.format(number1,number2,sum(number1,number2)),file=output)
    elif question == "2":
        number1 = int(input("Enter first number: "))
        number2 = int(input("Enter second number: "))
        out="{} -{}={}"
        print(out.format(number1,number2,sub(number1,number2)))
        print(out.format(number1,number2,sub(number1,number2)),file=output)
    elif question == "3":
        number1 = int(input("Enter first number: "))
        number2 = int(input("Enter second number: "))
        out="{} x{}={}"
        print(out.format(number1,number2,mul(number1,number2)))
        print(out.format(number1,number2,mul(number1,number2)),file=output)
    elif question == "4":
        number1 = int(input("Enter first number: "))
        number2 = int(input("Enter second number: "))
        out="{} /{}={}"
        print(out.format(number1,number2,div(number1,number2)))
        print(out.format(number1,number2,div(number1,number2)),file=output)
    elif question == "5":
        number1 = int(input("Enter number to calculate second powder: "))
        out="{} ^2={}" 
        print(out.format(number1,expo(number1)))
        print(out.format(number1,expo(number1)),file=output)
    elif question == "6":
        number1 = int(input("Enter number to take the square root: "))
        out="{} **0.5={}"
        print(out.format(number1,base(number1)))
        print(out.format(number1,base(number1)),file=output)
    else:
        print("Wrong input.")
        print("Please select a number range(1,6)", enter)

# close the file
output.close()