In [6]:

```
import os
def add(a,b):
    return a+b
def sub(a,b):
    return a-b
def mul(a,b):
    return a*b
def div(a,b):
    return a/b
operations_dict={
    "+":add,
    "-":sub,
    "*":mul,
    "/":div
}
def calculator():
    num1=float(input("enter the 1st num: "))
    for symbol in operations_dict:
        print(symbol)
    continue_flag=True
    while continue_flag:
        op_symbol=input("Press any symbol: ")
        num2=float(input("enter the next num: "))
        calc_func=operations_dict[op_symbol]
        output=calc_func(num1,num2)
        print(f"{num1} {op_symbol} {num2} = {output}")
        should_continue=input("Press 'y' to continue calculation with {output} or 'n' to
        if should_continue=='y':
            num1=output
        elif should_continue=='n':
            continue_flag=False
            os.system("cls")
            calculator()
        else:
            continue_flag=False
            print("Bye")
calculator()
```

```
enter the 1st num: 6
+
-
*
/
Press any symbol: -
enter the next num: 4
6.0 - 4.0 = 2.0
Press 'y' to continue calculation with {output} or 'n' to start a new calculation or 'x'
to exit: n
enter the 1st num: 2
+
-
*
/
Press any symbol: *
enter the next num: 6
2.0 * 6.0 = 12.0
Press 'y' to continue calculation with {output} or 'n' to start a new calculation or 'x'
to exit: x
Bye
```