

simple calculator

```
#this function is add two number
def add(x,y):
    return x+y
#this function is sub two number
def sub (x,y):
    return x-y
#this function is multiply ywo number
def multiply (x,y):
    return x*y
#this function is divide two number
def divide (x,y):
    return x/y

print("select operation.")
print("1.add")
print("2.sub")
print("3.multiply")
print("4.divide")

while True:
    #take input from the user
    choice=input("enter choice(1/2/3/4):")

    #check if choice is one of the fore options
    if choice in ('1','2','3','4'):

        try:
            num1=float(input("Enter first number:"))
            num2=float(input("Enter second number:"))
        except ValueError:
            print("invalid input.please enter a number.")
            continue

        if choice=='1':
            print(num1,"+",num2,"=",add(num1,num2))

        elif choice=='2':
            print(num1,"-",num2,"=",sub(num1,num2))

        elif choice=='3':
            print(num1,"*",num2,"=",multiply(num1,num2))

        elif choice=='4':
            print(num1,"/",num2,"=",divide(num1,num2))
            #check if user wants another calculation
            #break the while loop if answer is no
```

```
next_calculation=input("Let's do next calculation? (yes/no):")

if next_calculation=="no":
    break

else:
    print("invalid input")

select operation.
1.add
2.sub
3.multiply
4.divide
enter choice(1/2/3/4):1
Enter first number:436
Enter second number:534
436.0 + 534.0 = 970.0
Let's do next calculation? (yes/no):yes
enter choice(1/2/3/4):2
Enter first number:46
Enter second number:64
46.0 - 64.0 = -18.0
Let's do next calculation? (yes/no):yes
enter choice(1/2/3/4):3
Enter first number:5467
Enter second number:7547
5467.0 * 7547.0 = 41259449.0
Let's do next calculation? (yes/no):yes
enter choice(1/2/3/4):4
Enter first number:543
Enter second number:54
543.0 / 54.0 = 10.055555555555555
Let's do next calculation? (yes/no):no
```