class Calc:

def operation(a,b,option):

if a!=int or b!=int:

raise ValueError("this input is invalid")

if choice>4:

raise KeyError("selected option is incorrect")

if choice==1:

return a+b

elif choice==2:

return a-b

elif choice==3:

return a\*b

elif choice==4:

return a/b

else:

raise ZeroDivisionError

try:

while True:

print(f"\n1,addition\n2,subraction\n3,multiplication\4,division")

option=int(input("enter the option:"))

a=int(input())

b=int(input())

c=Calc.operation(a,b,option)

print(c)

except ValueError as p:

print(P)

except KeyError as p:

print(P)

except ZeroDivisionError as p:

print(P)