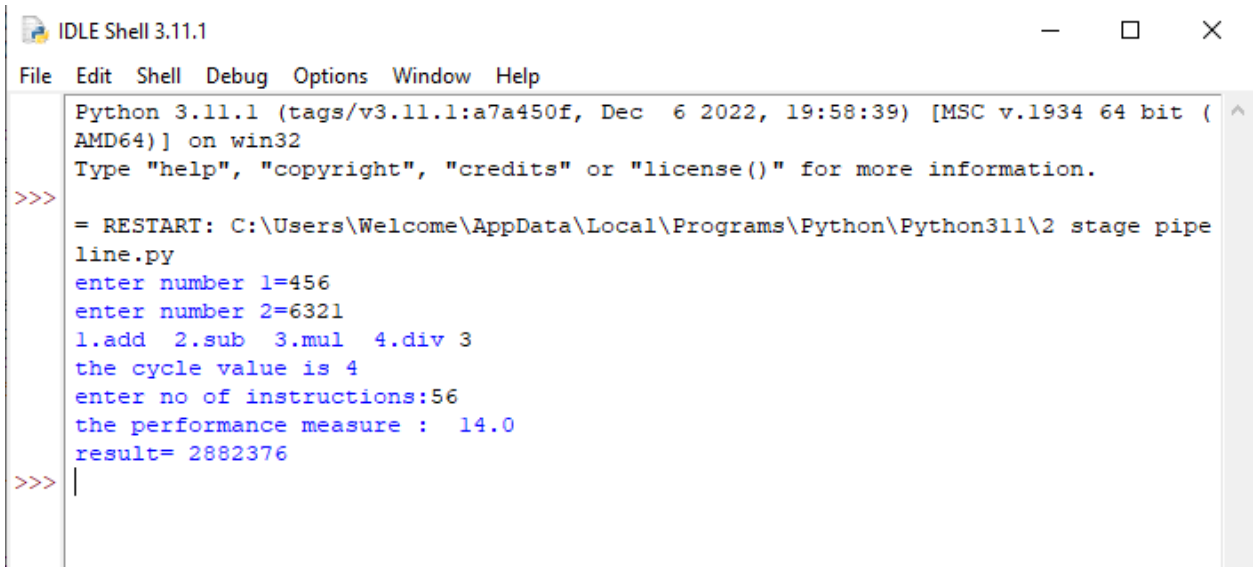
14. Design of 2 stage pipeline for addition and subtraction of two numbers using any high level language.

Program::

```
a=int(input("enter number 1="))

b=int(input("enter number 2="))

c=4

f=0

ch=int(input("1.add  2.sub  3.mul  4.div "))

if ch==1:

   res=a+b

elif ch==2:

   res=a-b

elif ch==3:

   res=a*b

elif ch==4:

   print("performing addition operation")

   if b==0:
```

```
        print("wrong input")
        f=1
    else:
        res=a/b
else:
    print("wrong input")
f=1
if(f==1):
        print("the cycle value is",c)
        ins=int(input("enter no of instructions:"))
        print("the performance measure : ", ins/c)
        print("result=",res)
```

OUTPUT::


IDLE Shell 3.11.1
File Edit Shell Debug Options Window Help
Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Welcome\AppData\Local\Programs\Python\Python311\2 stage pipe
line.py
enter number 1=456
enter number 2=6321
1.add 2.sub 3.mul 4.div 3
the cycle value is 4
enter no of instructions:56
the performance measure : 14.0
result= 2882376
>>>