

### 15.Design of 3 stage pipeline for AND, OR, NAND of two numbers using any high level language.

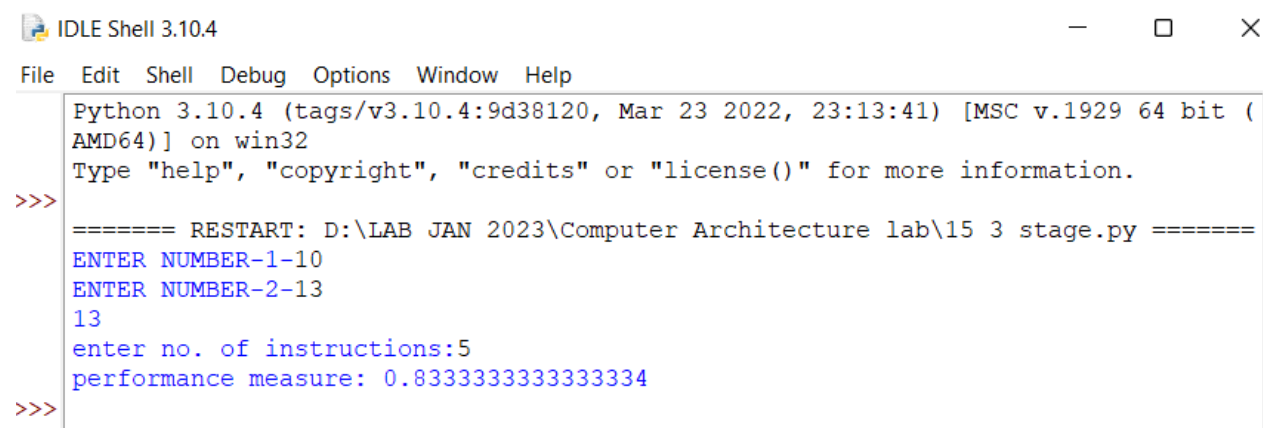
#### AIM:

To design 3 stage pipeline for AND, OR, NAND of two numbers using any high level language

#### PROGRAM:

```
counter=1
a=int(input("ENTER NUMBER-1-"))
counter=counter+1
b=int(input("ENTER NUMBER-2-"))
counter=counter+1
res= a and b
counter=counter+1
print(res)
counter=counter+2
INS=int(input("enter no. of instructions:"))
performance_measure=INS/counter
print("performance measure:",performance_measure)
```

#### OUTPUT:



```
IDLE Shell 3.10.4
File Edit Shell Debug Options Window Help
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\LAB JAN 2023\Computer Architecture lab\15 3 stage.py =====
ENTER NUMBER-1-10
ENTER NUMBER-2-13
13
enter no. of instructions:5
performance measure: 0.8333333333333334
>>>
```

#### RESULT:

Successfully executed 3 stage pipeline for AND, OR, NAND of two numbers using high level language.