39.

# 3 stage AND operation  
  
  
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)  
  
  
[10:41 AM, 7/28/2023] +91 98415  
40605: # 4 stage pipeline  
  
  
counter=1  
  
  
a=int(input("ENTER  
NUMBER-1-"))  
  
  
counter=counter+1  
  
  
b=int(input("ENTER  
NUMBER-2-"))  
  
  
counter=counter+1  
  
  
print("1-ADDITION  
2-SUBTRACTION 3-MULTIPLICATION 4-DIVISION")  
  
  
print("Enter Your  
Choice")  
  
  
choice=int(input())  
  
  
if choice==1:  
  
  
 print("Performing Addition...")  
  
  
 res=a+b  
  
  
 counter=counter+1  
  
  
if choice==2:  
  
  
 print("Performing Subtraction...")  
  
  
 res=a-b  
  
  
 counter=counter+1  
  
  
if choice==3:  
  
  
 print("Performing Multiplication")  
  
  
 res=a\*b  
  
  
 counter=counter+1  
  
  
if choice==4:  
  
  
 if b==0:  
  
  
 print("Denominator can't be Zero")  
  
  
 print("Performing Division")  
  
  
 res=a/b  
  
  
 counter=counter+1  
  
  
if choice>=5:  
  
  
 print("Enter Correct Input")  
  
  
print(res)  
  
  
counter=counter+3  
  
  
print("CYCLE VALUE  
IS:",counter)  
  
  
ins=int(input("Enter the  
No.of instructions:"))  
  
  
performance\_measure =ins/counter  
  
  
print("performance measure  
is:",performance\_measure)

INPUT & OUTPUT-

