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

***PROGRAM:***

num1 = int(input("Enter first number: "))

num2 = int(input("Enter second number: "))

and\_result = num1 & num2

or\_result = num1 | num2

nand\_result = ~(num1 & num2)

print("AND: ", and\_result)

print("OR: ", or\_result)

print("NAND: ", nand\_result)

***OUTPUT:***

