**17. Write a program to perform Booth’s multiplication of two signed numbers using any high level language.**

**PROGRAMS:**

def restoring\_division(dividend, divisor):

quotient = 0

remainder = dividend

while remainder >= divisor:

quotient += 1

remainder -= divisor

return quotient, remainder

dividend =int(input("enter number:"))

divisor =int(input("enter number:"))

quotient, remainder = restoring\_division(dividend, divisor)

print("Quotient: ", quotient)

print("Remainder: ", remainder)

OUTPUT:

**OUTPUT:**

