10. Conversion of decimal number to binary

def decimal\_to\_binary(num):

if num == 0:

return "0"

binary = ""

while num > 0:

binary = str(num % 2) + binary

num //= 2

return binary

# Example usage:

decimal\_number = int(input("Enter a decimal number: "))

binary\_number = decimal\_to\_binary(decimal\_number)

print(f"Binary representation of {decimal\_number} is: {binary\_number}")