Python program to find the greatest of three binary numbers

CODE:

def binary\_to\_decimal(binary\_number):

decimal\_number = int(binary\_number, 2)

return decimal\_number

def find\_greatest\_binary\_number(binary1, binary2, binary3):

decimal1 = binary\_to\_decimal(binary1)

decimal2 = binary\_to\_decimal(binary2)

decimal3 = binary\_to\_decimal(binary3)

greatest\_decimal = max(decimal1, decimal2, decimal3)

if greatest\_decimal == decimal1:

return binary1

elif greatest\_decimal == decimal2:

return binary2

else:

return binary3

# Example usage:

binary\_num1 = input("Enter the first binary number: ")

binary\_num2 = input("Enter the second binary number: ")

binary\_num3 = input("Enter the third binary number: ")

greatest\_binary = find\_greatest\_binary\_number(binary\_num1, binary\_num2, binary\_num3)

print("Greatest binary number:", greatest\_binary)

OUTPUT:

Enter the first binary number: 1101

Enter the second binary number: 1110

Enter the third binary number: 1111

Greatest binary number: 1111

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