2.Write a program to find the perfect number

PROGRAM:

def is\_perfect\_number(n): sum\_of\_divisors = 0 for i in range(1, n): if n % i == 0:

sum\_of\_divisors += i

return sum\_of\_divisors == n number = int(input(“enter the number”)) if is\_perfect\_number(number): print(number, "is a perfect number.") else: print(number, "is not a perfect number.")

INPUT: 

OUTPUT: 

TIME COMPLEXITY: O(n)