

1. Write a program to find the perfect number.

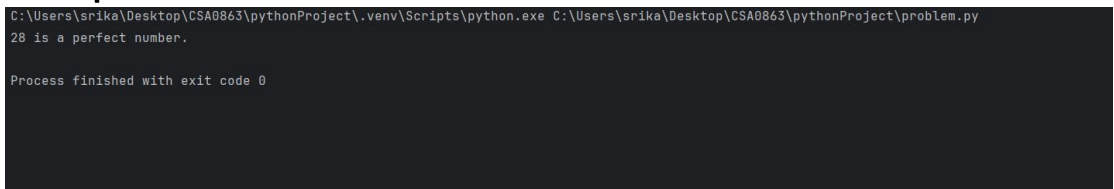
Program:

```
def is_perfect_number(num):  
    sum_divisors = 0  
    for i in range(1, num):  
        if num % i == 0:  
            sum_divisors += i  
    return sum_divisors == num
```

number = 28

```
if is_perfect_number(number):  
    print(f"{number} is a perfect number.")  
else:  
    print(f"{number} is not a perfect number.")
```

Output:



```
C:\Users\srika\Desktop\CSA0863\pythonProject\.venv\Scripts\python.exe C:\Users\srika\Desktop\CSA0863\pythonProject\problem.py  
28 is a perfect number.  
Process finished with exit code 0
```

Time complexity: $O(n)$