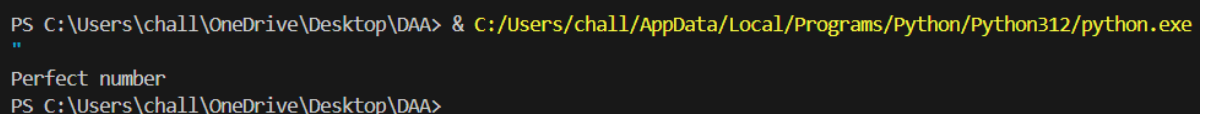# 12.Write a program to find the perfect number.

PROGRAM:

```python
def per(num):
    sum=0
    for i in range(1,num):
        if num%i==0:
            sum+=i
    if sum==num:
        return True
    else:
        return False
a=28
if per(a):
    print("Perfect number")
else:
    print("Not a perfect number")
```

OUTPUT:

```
PS C:\Users\chall\OneDrive\Desktop\DAA> & C:/Users/chall/AppData/Local/Programs/Python/Python312/python.exe
"
Perfect number
PS C:\Users\chall\OneDrive\Desktop\DAA>
```

TIME COMPLEXITY:

Time complexity for the above code is

F(n)=O(n)