

2.write a program to find the perfect number.

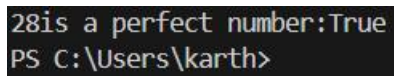
Code:

```
num=28
```

```
sum_divisor=sum([i for i in range(1,num)if num%i==0])
```

```
is_perfect=num==sum_divisor
```

```
print(f"{num}is a perfect number:{is_perfect}")
```

A terminal window with a black background and white text. The first line shows the output of the program: "28is a perfect number:True". The second line shows the prompt "PS C:\Users\karth>".

```
28is a perfect number:True  
PS C:\Users\karth>
```

output:

time complexity: $f(n)=o(n)$