

Day 16 coding Statement : Write a program to identify if the number is Perfect number or not

Description: Get the input from the user and check whether that number is a perfect number or not.

E.g. Let number is 28, factors of 28 are 1,2,4,7,14. Now the sum of all these factors are 28 itself.

Input: 28

Output: Perfect Number

Input: 4

Output: Not a perfect number

CODE:

```
num = int(input("Enter Number: "))
li = []
for i in range(1,num):
    if num % i == 0:
        li.append(i)
if num == sum(li):
    print(num, "is a Perfect Number.")
else:
    print(num, "is not an Perfect Number.")
```

OUTPUT:

```
Enter Number: 28
28 is a Perfect Number.

Process finished with exit code 0
```

```
Enter Number: 32
32 is not an Perfect Number.

Process finished with exit code 0
```

