

```
# to check if the given number is an Armstrong number
number = int(input("Please input a number "))
# Variable result is initialized
result = 0
# cube of each digit is added to find the sum
temporary = number
while temporary > 0:
    digit = temporary % 10
    result += digit ** 3
    temporary //= 10
# result is displayed
if number == result:
    print(number, " - an Armstrong number")
else:
    print(number, " - not an Armstrong number")
```

```
## program to check if the given number is a fibonacci number
n=int(input("Enter the number: "))
c=0
a=1
b=1
if n==0 or n==1:
    print("Yes")
else:
    while c<n:
        c=a+b
        b=a
        a=c
    if c==n:
        print("Yes, it is a fibonacci number")
    else:
        print("No, it is not a fibonacci number")
```