

JNTUH Assignment 1

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ARMSTRONG NUMBER

```
num = int(input("Enter a number: "))
order = len(str(num))
sum = 0
temp = num
while temp > 0:

    digit = temp %10
    sum += digit**order
    temp//=10
```

```
    if num == sum:
print("NUMBER is ARMSTRONG")
else:
print("NUMBER is not ARMSTRONG")
```

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")
else:
print("No")
```