

```
n = int(input())
```

```
# Converting the number to a string to find the number of digits
```

```
n_str = str(n)
```

```
num_digits = len(n_str)
```

```
# Calculate the sum of the digits raised to the power of the number of digits
```

```
digit_sum = sum(int(digit)**num_digits for digit in n_str)
```

```
if digit_sum == n:
```

```
    print("Armstrong number")
```

```
else:
```

```
    print("Not an Armstrong number")
```