

```
x=int(input("Enter a number:"))
sum=0
d=1
t=x
a=x
while t//10>0:
    d+=1
    t//=10
while a%10>0:
    b=a%10
    sum+=b**d
    a//=10
if sum==x:
    print("Entered number is armstrong")
else:
    print("Entered number is not armstrong")
```

```
Enter a number:153
Entered number is armstrong
```

```
n=int(input("Enter a number:"))
a=0
b=1
x=a
y=b
while n>y:
    x+=y
    y+=x
if n==x:
    print("Entered number is fibonacci")
elif n==y:
    print("Entered number is fibonacci")
else:
    print("Entered number is not fibonacci")
```

```
Enter a number:144
Entered number is fibonacci
```

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✓ 8s completed at 12:00 AM

