

Reverse an Integer

```
#with typecasting
def reverse(num):
    r=str(num)
    return s == s[::-1]

#without typecasting
def reverse(num):    #912
    result=0
    while num!=0:    #912!=0
        rem = num%10    #2
        result = result*10 + rem    #2
        num=num//10    #91
    return result

reverse(871)

178
```

Palindrome

```
# Palindrome
def reverse(num):
    N=num
    result=0
    while N!=0:
        rem = N%10
        result = result*10 + rem
        N=N//10
    return num == result

def reverse(x):
    s=str(x)
    return s == s[::-1]

s = 'listen'
t = 'silent'
s = sorted(s)
t = sorted(t)

print(s)
print(t)

if s == t:
    print("anagram")
else:
    print("Not anagram")
```

```
['e', 'i', 'l', 'n', 's', 't']  
['e', 'i', 'l', 'n', 's', 't']  
anagram
```