1. Code to check number is Armstrong number or not

```
def armstrong_num(x):
    t=len(str(x))
    sum=0
    while(x>0):
            a=x%10
            sum+=a**t
            x=x//10
    return sum

num=int(input('Enter a num= '))
num1=armstrong_num(num)
if(num==num1):
    print(num,' is armstong')
else:
    print(num, ' is not armstrong')
```

2. From an array find 3rd highest value

```
num = [13,5,35,8,1]
num.sort()
fnum = num[0]
snum = num[0]
tnum = num[0]
for i in num :
    if i > lnum :
            tnum = snum
            snum = lnum
            lnum = i
    elif i > snum :
            tnum = snum
            snum = i
    elif i > tnum :
            tnum = i
print("Third largest number is ",tnum))
```

3. Code to reverse a number

```python
def reverse_num(n):
    rev=0
    while(n>0):
        a=n%10
        rev=rev*10+a
        n=n//10
    return rev

x=int(input('Enter a num = '))
y=reverse_num(x)
print('Reverse of ',x,' is ', y)
```