```
10-9-2025 hednesday.
  N=50
                                         n= 170
  if (10<=n<=100):
                       A new format for larges. = TRUE
                                          1012= n <= 200
 else:
    frint ('No")
⇒ Betwise Operator
                    2'0 =1
                              21=2
                                               23 = 8
                                                     24=16
       in 6th Values
                               00
                                             168421
                               10
                                              60001
                                          1
                                              00010
                                              00011
                         1531111
                                              00100
                                              00101
38
                         670110
                                              00110
                                               0 0 11 1
  6110 >6
                                               01009
                Rule for 8 is 181=1
                                               0 1001
  1586 >6
                                               01010
                            otherwise o
                                            0+0=0
                                            1+0=1
  1 1 1 1
                        6815
                                            1+1 = 0 Corry 1
40110
               AND
                        0110
                                              141=2 = 10
                        111)
                                            1+1+1=3=74
  0 1 1 0=6
                        01106
                                                 Sum=1 Con
(ii) 1 - OR 1111/13 OR 1516 ≥ 15
       1100
                     12/3
                            1100
```

0011

0011

0000

```
This shifts rall bills to the left & fells with 0
                                 on the right.
 *5<<1=10 ->
                     0101
x 5<2-20
                                               n* (21/k)
   0101 <<2 > 010100
                                  10
                                                5 * 2 1 = 5 x2=10 (2)
                                               5 * 2 ^2 = 5 × 4 = 20
                           - sight & fells with 0 on the left
 4) Right shift >>
                 0101 >>1700100 =2
 a' 5 >> 1
                                               n/1 (21k)
    5>>2
                0101>>2 =>
                                                5/1 21 = 5/2 = 2
                 10100 >> 1
                              01010 = 10
                                                 5/1 2 2 = 5/4 = 1
                  10100 >72
                             00101=5
                 168 42)
    13 > 2
                  1101 <<2
                                             n + (2^{1}k)
    134<2
               1101<<2
                                              13 * 2(2) 13 ×4 = 52
=> Conditional
(2) Nested if statement
                                                n=int(input(" Enter no:")
Oynton: of (Condition 1):
                           #outes if
                                                # Enverif
          of (c2):
st of c2
                                                     ef (n >0);

print ("+re")

else;
             st of Ennes of else # Ennes of else
                                                 elre: prent ( 'zero")
                           # outer of else
         St of outer of else
                                                    poent ("-ve")
```