(10-09-2025) klednerday. 3 0 0 0 1 1 400100 and 0 1 1 0 25 6 Left shift [<<): This shifts all the bits to left & fills with 0 on the right. 5 = 0 1 0 1 0 2 10 En: 5<<1 = 10 5 2010100 -16+4 - 20 542 20

```
Left: n x (21K)
      5 x (211) = 5 x2 = 10
      5+(212) 25×4=20
  132<2 Poft: - u-
                                right & fills with a by left.
    110122 001101=3
                                  1311212 - 13/4 = 3
                 11 01 00 = 52
    1101>>2
                                    13421201344=52
Nested &:
 Syntax:
  if (condition 1): # outer if
     if (condition 2): 4 inner il
      Statements of condition 2
      elle: # inner if elle.
        Statements of inner y-else
  else: #outer is else
      Statements of outer if-else.
Ez : liven næ is tre, -re or zero
n=int (input ("Enter a num;"))
if (n/=0):
    if (n > 0):
print ("+ve")
    else:
print ("zero")
else:
print ("-ve")
```

1 2 2 2 3 A 9 17

Right: n/1 (21x)

511211 25/2=2

51/21 2=5/4=1