CS 631-02 Conversions ¿ Evalvation Labor & Labor Project 01 Starter 321 Conversions 3 x 10 + 2 x 10 + 1 x 10° Binary - base Z 080101

061101 64 37 16 84 21

(1)23+(1)22+(0)2+1(20) 8 + 4 + 0 + 1=13

Hexadecinal (Hex) base 16 0xF3B 0-9 A-F d-f

F x 162 + 3 x 16 + 8 x 16° 15 x 256 + 48 + 11 = 3899 Converting HEX to BIN BIN + HEX

HEX 0 x F3 B BIN 0 x 1111 0011 1011

Conversions

" 214"
" 061101" -> vint32-t
" 0x F3B"

paise-operand ()

TK_ INTLIT

TK- HEXLIT

STR to VINT "1011" Char * S= "[] 011 " 5C07 SC17 Vin+32-& tmp = 0; vint 32-+ value = 0) char di 10' 48 11 49 d = sc.]; tmp = d - '0') Value = tmp V = 1 V = D610 J= 500 tmp = d - '0'; Value = (value * 2) + tmp busc

d = 5(2) tmp=d-'0' 1 Value = (unlue * 2) + +mp U d = 5 C33 tmp=d-'0' Value = (value * 12) ++m (2) HEX E toupper d-'0' (d-'A')+10 parsim cons N+1775 nt -6 10 "241" 4 int 32-t 241 SYC Bigg

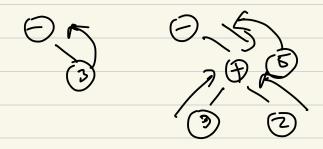
```
uint32-+ + str
base = 10 decimal
 Vin+32-+ value = 241)
 Char out [67];
   Out (0) = 'Z'
   oct C1 7 = '4'
   oct [2]= 11'
   out [3] = 10' 0
   241
                            241/10=24
  vint32-t tmp;
                            2719010=1
                    6asc
    tmp = value % 6
    out C=7= 10'+ +mp
    Value = velue 100
    7mp = value %. (2)
                          4
                         14'
    0 - + Ci) = 10' + + mp
```

donc? Value = 0 width _ w 4, 8, 16, 32 Only -62 -616 (-610) signed nt -6 16 - w 4 ~ e "0xAC" DXC N+ -616 -W U -e "0xAC>>4" AXO nt -6 16 -~ 8 -e "OxAC>>4" $A \circ \times O$ virt3/2-t Jalue

-W 16 Value 2 value & OxFFFF mashing OXF 061111 OXFF 96/111 1111 - w 8 - ~ 16 OXFFPF 06 (111 min 111) 80 Compute the mash from width C 0610000 | Mask = (061 22 width) - 1 dec bin Nex 0×10 = 18 18 06/0000 OXOF 0601111

signed output Nt -e "-3" nt -62 -44 .e"-3" 0611 0P1101 int 1100 N+ -62 -W8 -e T1-3" 12" -1111 111/1101 0611111101 Nt -P10 -MA -6 "DP1101" nt -610 -44 -e "661101" -0 nt -6 10 ~ "OxFFFF FFFF" -\ Nt -6 16 -e " Ox FFPF PPFF" -47....

Evaluation



bitwase

Pual_print()
width

() constrain the bits we care about

2) for -610 (sisued) determine if print
negative (-)

) number of hexloin dignit to output

uin+32-+ x = -3

N+ -b 10 -e"-3" -v