



```
Higher address
                                             Lower
  · #>Typecosting in pointers:
                                                                         100t . . . . . .
                                                                   1003
                                                            1001
                                                     (100)
                                               1000
                                                                                    309
 O int a [10] = { 301, 301, 302, ... 309 };
                                                             00101101
                                               0010110
@ int xb=a;
                                     9-
                                6
                                                                                      9
                              3000 1000
1 chan tc = (chan *) a;
                          1000
                                                 (300)10 = (100 10 1100)2
@ float *d= (float *) a;
                                                            00 10 1100
                                              15 # 13 12 11 10 7 3
1 void xe = a;
                                              the Byte
                                                                Byte
10 int xf = (int x)e;
1 b=d; "Exxor
                                              Little Endian => Lower address contain
1 P=C ! INDERLOW
       5 => 1000 | C => 1000
                        19000
                         *d=) 4B data from 1000 onworld) (==)1000
     *b=> 300 | *c => ++
                                                      XE => EXXX
                          in TEFE 754
     5+1=>1002 (4+1=>1001
                         J+1=> 100+
                                                      16+1 => EXXO
# Pornameter pussing techniques: -
                                           2.) call by reference: -
                                                                     swap(int c, intd)
1.) call by value: - (call by copy) 20,
                                              main() [ 200
          a 10 b 20 swap ( int c, int d)
                                              I int a=10, b=20;
                                                                    Lint tj
                                - My 120
  int a=10, b=20;
                                                                                      2000
                     of int ti
                                                pf(a,b); 2000
swap (a, b);
                                                                    t=xc;
                         t = C;
   pf (a,b);
                                                                   *c=xd;
                         c = d ;
                                t No
  Swap (a, b);
                                                                   *9=+;
                                                 (d, b)79
                         1=t;
   pf(a,b);
                  call by names: -
                                          0/9: 10,20
 o/p: 10,20
                                               20,10
                                         o) used when we want to pars very large
 Jused when we want to pass very
                                             no- o parameters.
   less no. of parameters.
  Note: Clang. is CSL bec.

1. Variable declared before use 2 PDA

2. Matching formal & actual 3 can't hand
                                        o) Here, How a compiler will behave, which
                                                  supports' call by reference :-
                                                 That lang will himes if keep & in
                              handle
                                                 swap(a,b) & * in swap(c,0).
  Note:)
      int, a=3, b=,5;
      unsigned int c=0;
      x= (a-b)>c ? 1:0;
            (3-5)>0 ric 13
    Here,
               2 > 0 [vinaigned int]
      30, X = 7
  Note:) *p1 [2000] *p2 [2008]
          Pf(P2-P1);
        => 2008-2000 = 1 = 0/p
  Note: ) In # define F(a,b) (a*b)
         a, b are formal parameters
                             - a si st & sign
  Note: oc | 1 (1)
                              ETET ETASign
      ~ is Bitwise complement (13)
  bec. 11= 0000 1011 213
```

3

0

9

0

>

)