```
30-04-2024
         BITWISE AND & [BINARY]:
                 sont main ()
                       int a, b;
                                      printf (" Enter the value of a: ");
                                             Scanf ("1.d", & a);
                                    printed (" Enter the Value of b: ");
                                           Scanf ("1.d", db);
printf ("adb=1/.d\m", adb);
                                           The second control of the Control of
         Ex:
             main ()
                int x= 1, y=0, ==5,0;
                                                                                                                                                                               an anna Caraca da la la c
                            ant a= x < y & + + = ;
                                                                                                                                                                                                          WAY SIN WELL
                            pounts ("1.d", 2);
                                                                                                                                                                                                       MANAGEMENT OF THE STATE
                                                                                                                                  CALL STATE OF THE 
                main ( )
                                                                                                                                                                                                                           0/0 :- 6
              f int x=1, y=0, 7=5, a;
                                BAR A = X LY 11 ++ 2;
                               pointy (" 1.d", +);
```

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main ()
          Comment ) : Since the first of the second
{ int x = 1, y = 0, 2 = 5, a;
                        0/p:-5
 int a = x>y 11 ++2;
   wint ("1.d", 2);
                          Fragoria & Landin
> main ()
 lint x = 8, y=00, a, b, c, d, e, t, g, h;
                                 SO WOLL
 - A= 5 4 kb;
                     The property district
   6=5116;
   (= !5;
                     and that I get
  A= 5 k6}
                  With the state of the state of the
  e=516;
  f = 5 < < 3!
  A = 10 22 3;
  h = 5 16;
  wintf ("1. a 1. d 1. d 1. d 1. d 1. d 1. d 1. d", a, b, c, d,
   e, f, g, h),
                      Chaffing Chaffine
                             e÷
       1011 11 11 11
                  d = 5 & 6
  = 40
                         1000 9 9 2 10
  C = 0
```

CONDITIONAL OPERATOR: ?: (trimary) 64 CONDITION? STATEMENT 1: STATEMENT 2 4 condition is true Statement 1 is executed otherwise VARIABLE = EXPRESSION 1 ? EXPRESSION 2 : EXPRESSION 1 PALSE TIME statement 2 is executed RESULTANT VALUE main () int m; founts ("enter n"); scanf ("1.d", dm); n'/. 2 = = 0? printf ("even"): printf ("old"); S VS CODE LUSCACEATION 10 x 0 = 0 -> XAMPP [HY SQL]

10 x 0 = 0 -> XAMPP [HY SQL]

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10 x 0 = 0 -> XAMPP [HY SQL] EX: main () Soriais // caca fountf ("enterition"); sconf (" '.d", & m); m. 1. 4 = = 0? printf (" Leap Year"); printb (" not a leap y leap year"); (n 1-4==044 m'l.100!=0) 11 m'l.400==0? pointf("l.d", m)

: printf (" ");

02=05-2024 ASSIGNMENT OPERATOR :-1= 1 1= 1 <<= , >>=& -2 main () int a=5, b=6, c=7, d=8, e=9, f=10, g=2, h=5, i=20, x=8; 1+=2, 117 521 6-= 4; 1/2 C*=4, 1128 €/. = 6 6,8 0 01=5;111 X 25; 130 550 x1.=6)112 a st man month e k = 5;111 6=9+7. MANNI f 1=6; 1114 ALL ME NX 2 M MIN 9 1= 7; 115 A >> M = A/2 M | X h L Z = 25/1/20 1 >>= 3; 112 pountf ("1.0"1.0 1.0 1.0"1.0 1.0"1.0 1.0"1.0 1. d 1. d 1, a, b, c, d, e, +, y, h, i, x); Ex; ALUCA STANCES main () Right to Left l int a, b=110, c=20; A=b-=c*=5; A = 20+5 = 100 pountly ("7. d", a); 110-100=10 1 11 11 = 10

```
> Main ()
                                                                                                                                                                                                  0/1:- 680
                    1 int a, b=110, c= 20;
                               a=b+c+(b*=5);
                         paints (" " d", a);
                                                                                                                                                                                                        MAN MAN OF THE PARTY OF THE PAR
             * L A
                                                                                                                                                                                                  WALL THE
              J ADDRESS
                                                                                                                                                                                                       MA MARKET
   A NO NESS VALUE
                                                                                                                                                                                              A SEAS
       SPECIAL OPERATOR =>
                                                                                                                                                                                                     918 8 1
-> ADDRESS: L
               SYNTAX: & Variable (unary)
                                                                                                                                                                                                       MARKET
                      It gives address of variable.
         Eximain ()
                                                                                                                                                                                          Vp: - guies some
address
                          { int a=5 }
                                 foundly (" 1. d", da);
    > VALUE AT ADDRESS: *A
                        SYNTAX: + & Variable
                             It gives Value assigned to that address.
            Ex: main()

[ int a = 5;
                                                                                                                                          1 /PI- 5
                                                  wants ("1.0", * La);
```

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EXAMPLES OF ASSIGNMENT OPERATORS =>
1. Simple Assignment operator:
   # church
   int main ()
    E int num;
                              The ground for the NO All And
      num = 10;
        went (" The value of num is: 1. a 1 m", num);
      } returne;
2. Addition Assignment operator;
     int main ()
     " int num;
        pounds ("enter a number:")
         sconf ("7 d", 4 num);
                                           A Company
         Mum += 5!
         prints (" & ", d i n", num);
                                           di North
   3. Subtraction Assignment operator:
      ent main ()
       1 int num;
          fount ("enter a number: ");
                                            1 3
           scanf (" 1.d", 4 min);
          num -= 3;
point [" 1. d 1 m", num)
```

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4- Muttiplication Assignment Operator;
   int main ()
  1 int num;
      fountf ("Enter number: ");
      searl ("1.d", 4 mums;
      num * = 4;
      printf (" 1, Q ( m", num);
5. Division resignment operator:
    int main ()
   I int num;
      founty ("Enter number;");
       scanf ("1.d", 4 mum);
       num /= 4',
       frints ("7,dim", mum);
 6. Modellus Assignment Herator',
     int main ()
     t int num;
       frint (" Enter number: ")
        scant ("7.d", & num);
        mum 1. = 45;
forintf ("1. d (m", mum);
```

```
7, main ()
   int a=5, b=10, c;
    c= a+b;
    built (" (= a+b= 1d \m", ();
     CAZA)
     printy (" c+= a = 1. l 1m"; c);
     t-=11)
     privily (" ( -= a= 'Ld 1m', c);
      C = 1;
      printf ("c*=a=7.din", c);
      A=10;
      C= 15'
                                      C= A+ 6 = 15
       4= u;
                                      C+=0= 20
       printf (" (/= a = 1/d \m", ()
                                      C-=4=15
       c'/ = 10;
                                      C = d = 75
       Journal (" c-1.= a = 1/d/m", L);
                                      C/= a = 1
       Ch=a;
        print; ("cl=a=1.d1m", c);
                                      CAFAZO
        claa;
                                     C = A=10
        wind (" ( = a = 1, d \ m", ();
                                      CKL = 0 = 1024 8
        CK(=1)
                                      C>>= 4 = 10
        brindf (" ( < <= a = 1/. d (m", ());
                                      (cc=2=40
        C>>= M
                                      C>>=2=10
        fountf ("( >>= u= y.d \ m", c);
                                      C = A = 0
        (44-2
         point ("ckk=2="/ld/m", ();
         printly ("(>>= 2= 7.0\11')();
         c1= a
```

EXAMPLES FOR SPECIAL OPERATOR => -> ADDRESS OPERATOR : - 4 * Int main () int x = 100 prints ("The address of it is 1/d", tx); 0/p; - The address of K is 6487580 () min this * P -> POINTER int x = 100; pointf (" The address of x is 1. P", &x); 7 p: The aldress of x is 0,000,000,000,62 FE10 + int main () Ch & Character { int x=100; fruitf ("The address of N is 1/x6", & n); ofp: the address of it is h int main () { int n = 100; 0-> OCTAL trinty ("The address of x is "10", fin) 0/1: The address of x is 30577034 & int main () X -> HEXADECIMAL { int n=100} frints (" the albus of x is "/ x", 4 x); ole) - The address of x is 62 felic

```
2 VALUE AT ADDRESS :- * 4
* int main ()
  { int x = 100; august to that wint ("The value of address is 1.d", *4x);
   of ; - The value at address is 100
* int main ()
   1 int n= 100;
    joint ("The value at abdress is "1. P", " x x x);
    * int main ()
    1 int n = 100;
      frintf (" The value assigned to that address is "1. ch", * ( x);
     % - the value arrigned to that address is It
  * int main ()
     9 int x = 100;
      want ["The value assigned to that address is 1.0", *4 x);
   of :- the value arrighed to that address is 144
  * int main ()
    L int x = 100%
       fruitf 1" The value arrighed to that addrey is "/. x" " *
  8/0: - The Value assigned to that address is "64"
```