

DOPO TOALS

Mello world

public class nelloword public state void main (string (3) I system out printler ("Hello woold");

· No grap between class rame

Came Il ane convention

Alno System Cane String sensitive yrinelen System Println x

small big (uppercase). (lowerane)

Data Types

2 long 3 int (1) shoot te.

1 devolve

@ Loolean D har @ float

Post [Past Increment]

d= b++

System. out. println (b) = 46 (a) = 45

62 45 d= ++6 System. out. println(b) = 46

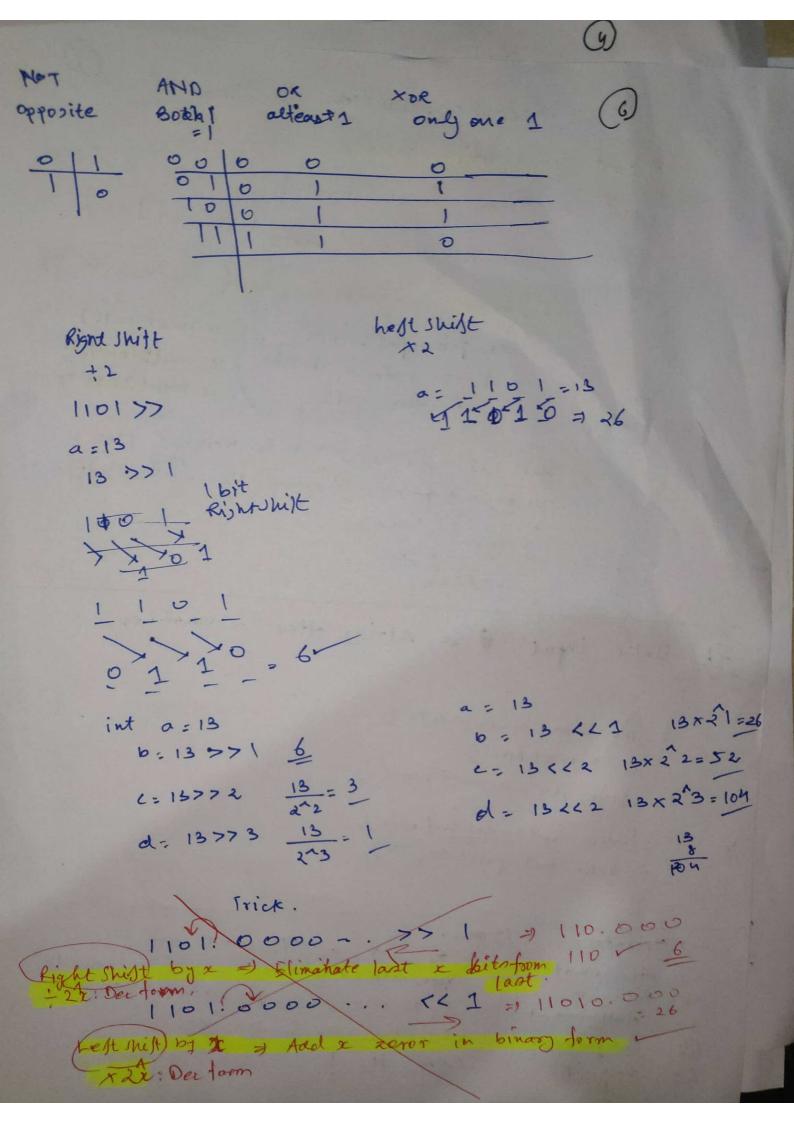
TYTE CASTNE : Assign a value of one primitive data type to another.

Automatic Type Casting (ATC) byte short genar int long tout adouble
hoing everence
: Manual Type
(arxting) lg. But if (int a = 4 Idouble p= 3.14 l int q= 9 -> Thin line toill give point (a) long b=a print (b) Revenue of ATC i. mamuel TC in required following ATC double p= 3.14 int q= (int)p print(a) took to the second full fire your to some any as

contigues of applications

Anna Santa

Scanner Auntion in Jana. import java. util . Scanner public class Simple Interest { & public static void main (Itniny [] gs) 2 Scanner oc = new Samer (Systemin) int principal = 500 = 10. next Int(); float rate = 12.57 = 10. next Int(); int time = 12 = 10. next Int(); = oc. neut Int() front 12 = principal x rate x Hout 1100; System, out printles ("the 12 in "t.); (34) Jakse injut & a string after a Number. { int num = or nent Int(); o sc next hime(); String, tar- si nent Line () System. out printen (nur); System. out. printen (str); CANEL EN +,-, x, , , 1. , ++, --- Operators NOT, AND, OK, YOR 1 Air Ilhematic ニノナニノーニノーニノトニノメニノ>>=, ベニノ @ bitwine 3 Assignment ショノ ショノフノ く, フェノくコ (4) Comparison 35, 11, (Jugical



Right strift by x = 121x in Decimal. @ eliminate bast x bits in Binary Left shift by x =) x 21, c in decimal d oppend x bits ofzero; in binary Shortchaud (Ternur) op) variable (cond) ? exp1: enpr. Greatest of three numbers. resunt = (20)2. arc ? a:c: b>c? b:c; a>6? a>c? a:c!:[6>c?b:c] a(c 2) a (b) b 7 c

Switch Care

(16) factorial. int us r tor(i=h; i >0; i--) of produt = produt mm }; front (product) (pg) fiboracci. int n=7. int a = 0; 5=1 e b=e +=att inet ci for (i=0; i < v - 2; i++) 71 czatb yount (c) ~ a=b 1 6 26 (18) Prime OR MOT If a num in prime, then its affect on factor wi For any number, at least one of its factor will be present in (2 Ju) re befori=Ju=.

be present in (2 Ju) re befori=Ju=.

ixi ixi=n tor (i=2; tsfixi(= n = i++) 1 if (n·1.i ==0) 2 potone; break; is (P) print ("Num in prime"); ehe print (" Mum is not point);

Serier Jun 1+ 1+ 1+ 1+ - : 1 de Impatan olp = Am. Int nums no Jum =0; for (i=4; i(=n;i++) { Sum= sum + 1/i }; print (sum); (110) 1-1 + 1---- 六 Olp= Aus. Ilp=n jnt n; sum=0 for(iz) ien; i++) { sum = sum + 1/1 } { is (i1. 2!=0) ebreit else sum = sum - 1:} Sprint (sum); If a loop or not -for (i = 0; i(10; i++) Jor (1:0; ; i++) M: i not declared, what to to tor (; ; i++) tox (;;)

P! Run a loop until the uner input. -vo m

Scanner sc: new Scaner (System.n)

É for (;;)

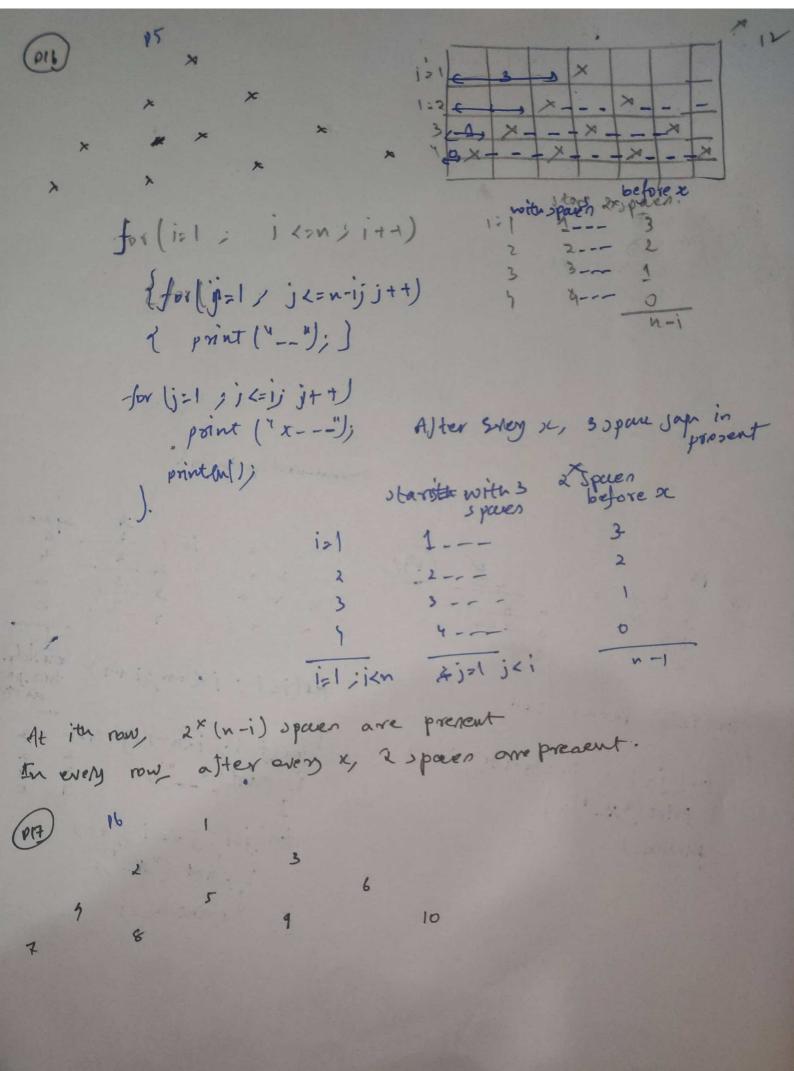
{ int n: sc. new Int();

if Ln < 0)

break;

Print the patternal.

```
for( i=1 ; i (=4; i++)
                       1 for ( j=1; j <= 4; j++)
                           of System out print ("x"),
                        J. I system. Out. printlu();
             1 193 tor(i=1 ; i <= k; i++)
                       1 for (j=1 ) (2(i-1)) j++)
                             2 System.ont. point. ("(overpare>");
                starte (4-1+1)
Space i: !
                               & System out
          a+(n-1)d
             (1-1) Syalt A.
                                      tor(i=1; i(=n;i++)
dor (iz) ic=n; itt)
                                        for (j=1 , i < n-i (j++) 1=1
   for(j=1; j <= (e-i+1); j++)
   { print ("x-"); )
                                         tor(j=1) j <= i ; j++)
   print(n)
                                            { print ("*-");
                                         }. I pointly();
```



X X X X Z Every row has 2 starts except last one. do((is1) i(=n) i++) 2. if (i=1 1 b) i==n) とかく ラシリ メンタイナノ ; rivt (ic -"); } print (x-); torilintjels jakn-isjeld) JE 11 3. 3. PRINTE ("E")

Mint: 1st plant row has same no. of stars as the row number Rut of the rows has two starts separated by 28 (n-1) spaces.

the Contract Contract

```
Almet some;
  just at every row insteal of it, we have make a
  variable int number=1 & print number at 2 1 number 1.
           int number=1
    for (int i=1 ; i <= n ; i + t)
           { for (int j=1) j (= u-i j j++)
{ print ("--u); }
                 for ( int j=1 ) (= i ) i++)
                       { print (number + " ---"); )
number + +;
                Sy printled );
                      n for (int iso; ic= rows gint)
  2 nd way.
             7-6+1-3time 2-lor (int j=1; j(=i; j++)
                               print ("x - ") >
                              L for (intj=1; j < 10wj-i+1; j++)
           オコースAloltin
   ro105= 2n-1
                                  { print ("x-");}
                              println();
```