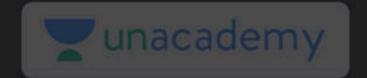




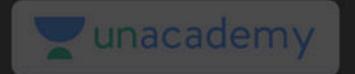


## Intermediate Code Generation Part-2

Complete Course on Compiler Design



1 T d = v d = T · V d 7-7-72 & F ] Tivel = T2. Vel & F. Vel} F->(E) GJ F. V-1=1; E. Val = G. V-1} T->> F { T-V-d = F-V-d}



## Intermedite dade Genardion

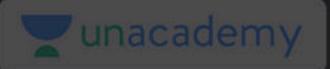
X=a+bx( t,= 646 12=a+t, 2=12



8/ Internelile Cade Represent this Line) Tree FONOD ENDO 3- all vel PAFix DAG Coda Notation

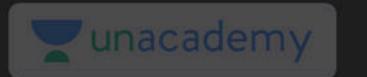
PRASIT NAL:100 3 6 3- address coll K5= Ky t,=b&C uk 12=600 0 t7= t61 t3 (6) tz= td/d (b) れっとつ ty: att, Syntan

PASSIX 6 6 add nell トターと3116 E1=41 = 62 た; ata t3 = 11 pt ty: nta t3 = 11 Y67 ty



## 3-addrew Code (max 3-addressel)

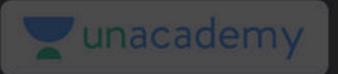
$$3b(a==b)$$
 98  $3b(c==d)$  then  $e=b$   $3ab$   $3ab$ 



Woite 3-addrells code for the Jollong moroum/

$$fr(j=10; j \leq 1000; jii)$$
 $7 = 9+200$ 

9500) ]=10 9501) 18(j/=100/0) 9502) 80M -5508 4504) th = ytt1 1-11



write, 3-addrells code for its Follow  $\frac{1}{3} = \frac{25}{3} = \frac{2007}{5} = \frac{1}{5} =$ 06) La - 0,1 t,

11) X1-12 11) 80h2-2006 witch (i)

CM 10: 42 - 9216, 8(2 break;

default: 13 = 93+4303

2000) j=25

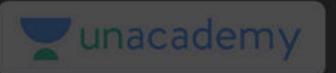
1001)  $\frac{1}{16}(j==3)$ 

5000

2002) 1/ (j==10) 80h 2011

2003) ts= 63 4 (3 200m) to = ~3165

2005) X3; Kb 2006)



Write 3-addrell code for Stmb. (int a [10] [25]; = 又= のううううう [= i + 25 t, = t, + j ty= ty 62 ty= 1000 + 43 1 - vtu

AMong (in 15 icle=127) BA = 1000  $N0.4.40W = (0-9) \Rightarrow 10$   $N0.4.4 = (0-24) \Rightarrow 25$ 

Loc (asissis)