otorextern, 'dedore' beyword c Language CH choles 36 World used but optional. jut word) } · Constants Strateger brive ("Hello Morly") return o; · tennords soarry special moning · Comment Plassina sig sport - 116 onex 35 Kolmongs Hah Multiline command · Input statements · Variables - formation data types valid Larone a memory location sout ( townet - specifies , ford, and my parcienu. pront ("format -specifier") O of esulove ordin ords .... signed numbers - surformatted by char data type O (residor & gubas vopies < 0 Agetch() -alphanumeric chand · Data types. getchor () 3) gets() i) char aggred 1 byte Tugsuo Dputch() 2) unargued 1 PAR 2) putchar () 3) puts() 8) int 690 26463 -> Extress you monsigned " y olo 2 by tes sa allerton of operators 5) short int 2 bytes represent a specific value. Surgred 2 bytes ) Type Declaration Expression 3 hort 2) Arithmetic Expression 669° Ubytee ) Intix In grad ( u) Prefix soud by blu 4 bytes 5) Postfix ubytes D float . 19th 8 bytes 10) Louble relgeth relf + rals - h 1) long (i) 06 Delytes - 120 11-1-1 · Storage days. defaut Jongo wentral Scobe Ufeting withing black of black of the deline 1 to enioner fortra llid despode Jegister register local to Sero 3) spage wound 2610 rate beresta pepreau gift local to cook filleng of bom execution ladalo nework we work 2610

· operator precedure, · Operators in C JULARY southmete (+,-,+, 10) Epinon 667, CJ 3++, --, -, 1,0,0,2 Sized Atol [ increment (<,<=,7,)=, docrement pall are phus A LFOR 3) \* ( %) 7 40 b m + yourde so, and losgol 1to R 5) << >> ( M. Mot - serrory) 0<,<=,>,>= LtoR 1 to f 7)==/1= (8) and selected solution e) & strain for Ltor (1) go seladid E LtoR BENGRAINE OF (V) 20 Jose's complement (2) Lbox 101 · Condotoporal statements right shift (57) ->if(on & Hon) } } -> ords Bon & 3 > Krush > ! vonable = (expression) ) tre vale: else ? 3 false-value > ? (condition) ? } elee it (andition) {} -) cours else & 3 const 4 separates variables -> lowest precedence \$\$ (or 4; from) { } operand when multiple · switch case. "ntlchar commo oberators 30 LFCP (nowo pp obsession) & # indu de < 3+960. Y case value-1 - Liques must int marrers. ilis tong break; 9= (j=10,j+20); case vole-2: & 334 not. retim of breaking not doubt not 10/19/10 dai worro Passy to owner aproxime case value n: wheat; smandatory nembers when we default poptional use pointer variables to occess it. · goto stalement. => is parted in partes Egoto label; 3 posements. -> can calculate ske of Tabel 18 goto plue and stdement sldosra - reforms size · loop controlled tor(initn; ordn; updn) {

for (6=0 = 2) {

15 on (2) = 3 (1513 H183 on 2) whole loop (entry olled) sount ("86", Larreis) to of sterabors not Masons. syntax: 8×3 Fx int our [2] [2] = } { 2/12/33, whole (condition) } 113 tatements tor (=0 ->2) } nbgofu for(3=0-3) } 3) 90-m pip 100 b (exit 10/189) (ili)mos, "66") Fras syntax: 3 OR'S 903 int ane JE876 3 while (condition) 345,633; 4) break int m[4][5] = { 2113, for(1=1-)5)} 212, 133, 2(14,15,16) 14 (P==3) break; beint 6.191, 1); 5) continue for (P=1 >5)} int a[4][5]={1123,4,5,6,7} 1 ( ( == 3) on + 6 MR; bring (" 299 (1 ) 3); 112345 Nested bops .... Show & La loop in other loop. gopophe arrandrane [size leis] · Arrays and Pointers Soullection (ordered) of finite int ampliful homogenous data. for (P=0 -> P) evolphia ni Factse for ( ?=0 -> 9) beations. for (9=0-57) - all elements share scart ("01. d", farrli Mille) common rang but diff behaviore Pointers size calculation Pint N = 10. by tes = size (dotatyre) & but & ofe = FX; size of & rabe at & declaration gapaple another siss

sofput methods. anullabu - constant with a char 3 pr (10) = "Hello". in several sto librarios g brints (40/08, 1 2ft) a god ing by spade aggress of 3) puts (2tr) beatism to which 8) gut of strill= 1018 pointing Enteror (stilis) - genetic - pointer which 3 1++1 specific data type JOH 6 char & str = "Hello" void & the date. -stunctions. 1) ato 3() - nomeric string # buckge < stagio. H) by word atof(), atol(), abod), int a(2) = {1,23; void & per = ea; ber = ber + sixof (int) 2) int 1= 367/00 ("Hello"); britt ( , of 9 , & (it s) bts); returno; 3) afroat (char & 31, char & 82) int c = stremp(str1, str2); 5) 9nt age =23; char str [100]; eprintf (etr); puts (etr); elor buffer [30] = -) "nt ar (5) = {01/12/3/43; Int & ptr = arr; \*ptr =larr[0] nati / - value sulove Coji (c 3) at 1 saddress "Fresheresh 5"; a) a(axi) -> value. char name (20); multidinersional arrot elevery secant (butter "063 % 2") a(i)(i)→a (x(a+2)+j) 80 (i)(j) → \*(a+9) + j) THE age = 22; 7) chard strater (and chards) const chost e2) ort = bfe = gode; 8) char & striker (charge strike) plor ++; d) char y a fuch h (char, 345) - Stylds Paran of characters char string-variable romesize). 10) chara spator (char & sta) const char delimiter) grisilastes to enouve et 3+1EJ="Probleme\_solving-1) gets (3t) \$ 6867 (42,10,81964) 3) scout ( 1,0/31, 3/2) - comy page chara foren = 8 pr /2 k (8pr, ") a) getchar(ch) =1013 { While ( token ) = NOLL) { bunte ( "Sosh " topa) str(6) = ch; foton = strtok(will) 3 6 1 40 / 1/2 / 1/20)

· function ptes returning fire pto (or s) = · Envotion & Everan reformplike tracpion name (bacue pa #Proble<2700, W Mody of firetion for fire (ant a) } printf (a); if function det es after main EC Infom bion fr, we write fraction vord (\* funci)(2nt) = Efri in global declaration (a tous 1)(R); it it is neither above warn a for the bound of the en, no need to write the to declaration expect of the most state of the most state of the most state of the most bear on the same of the most bear on the same of the most bear of the most bear of the same of the sa #indude < std90. K) bung ogg ( " 109" ) of p) } Types of fonetion calliy void sublinta, ent big Sequi, x tas) que le sor printf("% 21, a-b); 1 + + 18 10 roto Jeorde t= 1; s d fra i bion pion NEA. who morde - office printe (nolod", axb); き りこも; 18 cm apo due (a & C) nion brow soig and (up xx int , a) & void (atout))(いかいか)= int t; 3 0 99 20 P. wolf ((100) 1309 scant ("% 2% 2% 2% 2% 2%); F = x X; R = K + 3 page ( for Ja); page 8) Caton Cch Dlaid else. troporther boareter Strictures. -> no adment , no igua struct student? soment return sut roll; , so ous , sephen that alba; sarg, no return, · bass arrays to Europion > spiret student { # Indude < station h? char some Goo]; but roll; SCOTED for out 6:00 that egpa; it is it tor (6=0-18) of meloling & Conlon dais out (3) + = 10.7. sprice angent al stiege interior sin 31= 2"Harshit", 52, 9.463; 87=503: 100) 100 900 00 (is to = 1) rod 38= 533; 12 2/11 gfor (arr); Castation Colorson

- Array of structure. Do Unions. In union, members show memo y with eachotha struct student? char rome [100]; nugar nupungans } but roll! databyte member!; that appart gotothe wampers; 3; datatype membern; int magnes? s truct student esellos; for (1=0 → 100)} et now geno }

charch; Enployed; in the start of the star scarf ( "903 % dolof" & CSE [3] . name, 8 CaE[3]. 20 [1) \$C3E[3].0980); unpon demon: > ptr to structures. only one datamember stored stroct student sl; # Indude < stdio. h? struct student \* ptr; String noinu sut his day of the void magnos - structure containing pho struct character ? union point p charc; P. 1= 10; 3; char + cp; b. 4 = 50; 3 printe ( " old old", p.x, py); [ C) niam Lion to get 10 20, 20 20 struct character n; char ch='A'; bring schology x.c = dn; · Enows. x.cp = &ch; enum enum\_name ? s value, value, .... valuen; - structure within structure by default there are aresidored value struct date? suf gan wouth hoor. · Davonic wowant oppossion typedef struct student? malloc() > Ptr= (\*data-type) malloc ( int rollus; that percent 2) calloc() -> locations sizeof (dolar bye) Signification of the state of t ptr = ("dota\_type) oxloc (locations) with O. size of (data type) Schream tais k x. doa day &x. doa morth, & N. gov. hoor);

Stoplish souls PROINUNCE · file handing more more of : Cool I mor redo 31100 419 O FILE & Epter. 18 185 deal 2 ther = tober (utherous, "mogo); Transm for (boil) 280 drokude fourd a 3) topse (thfi) \$ 601 6 0=1) rod 4) mr " sopen to read "M" - oben to rough to white . ...... 23.5x 70 65 20pm (69900 (8) 980 B "No sopen to write in 110 1 sober to obberg emberte of the s) char on; facant (sptr, "oloc", Lch); 12 d whide doorse 1844 Frohide Fourds e) charch = 14; 1128 = rdq - dy grinistra solvedo fgete (tptr) frotocomo donte tongs (, 4, thei) 3) EOF -> fgeto returns EOF 390 + roto 38 ed slif ands of a sed Malon blov ge es 00 01 490 00) Krahovodo Jourse Che to roto Joseph dairy ( do = 9.5 No.8 = 90.8 ) MOT-019 MAR They are Endough Indon extente middies exidendet Muchal god of Edd fourde real of son her fre educatio weren surrya. Jack voto sorte del apport + () sallen ( corlor des I allen (my-delt) = 1d1 was fortended or cooles ( 1003 anon roxs Jung dod's is Det drieds erideral) celler ( got dil ") = 149 Walsh La Cake of the Sold of Board Board (10/4) 11014 ( bet 42, 20 600 Carone of Dallier = 100 Jeografie ( callor of the hall hall ) house Crony whise