C 5 631 C and Scauning C Programming , c . h ( preprocessor) Data Functions

Statements / expressions

qcc -o hello hello-c

( C preproc) ) + Tibe [ compiled ] hello.0

Data in C Global Stack (local vuis) Heap (malloc()/frec()) RAM Kernel Kernel PATA Stack 268 DATA 1 Heop DATA jatx Global CODE Maine

Data native types int, char, float, double. unsigned int int \*P; vin132\_+ x; Vint64-+ 7: composité types arrays int arr [10] > Struct Union 2 int X: floor Vi 9 myunion;

Scanning / Lexing / Lexical Analysis ntlang 111+211 INT-LIT INT-LIT PLUS 11 512 + 1024 " INT\_LIT PLUS INT-LIT

EBNF - Extended Backuc Nour Form to Kens ::= (symbol)\* Shupo1 :;= ,+, /,-, /, ) .¥, "+-+"

STA CY F00() { int x, (int \*) p; p= Ax; Main() 5 F00(). token token\_id TK-PLUS " + " token-value 1/2/3/+ 4

Scan\_t=660

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