C5 631-02 C and Scanning C Programming (C prepiocessor) . h - o Nello hello. c (biebioc / executeble (compiler hello. o Data Functions Statements & expression

Data in C 6/060/ Stach (local vars) Heap (mallocc)/freecs) 463 RAM Kernel DATA Stack 263 O ATA 4EAP DATA 610601 CODE main () 0

C Data native types int, char, float, double unsigned vint32-+ +; vin+64-+ Y) composite types int arr[10]; arrays Struct Struct mystruct st & intid; Char name [16] Union 2 int x; Float Y;

Scanning / Lexing / Lexical analysis ntlang INT-LIT PLUS 4 512 + 1024 4 INT-UT INT_LIT PLUS "1024" "512" - Extended Backus-Nasi From EBNF

to Kens := (symbol)*

Symbol :: = '+' |'-' |'/ '*

7 [1[2]3 | + | 4)16]

