Or Greneralize catagory & Total

Lencical Analysis

Stream of charac Lencical Analysis -> Stream of Token

(Source Code)

15thalf 2nd holf

(Scan Clean code

(Butto token)

Comt, extra whole

Space The factories

HORANG TOTHER IS AMOUNT MANOR THOMOSE MESONIS TOTHERS

Tokens int $x_1y_1z_2$;

float b=1.0; x = y = z = 40;

float c = 2*b*(x+y+z);

identifient $x_1y_1z_2$;

Operators = , * , +

Constant number & 1.0, 10

KeyWorld: (int, float

String literals "..."

Producton के स्थापिक निर्माणां ।

Token: < Token_name, Lexeme>
Aorexample: Token → < id, 90>
identifier

Emails Bona token-name Englean pattern analysis क्ट्रिट्य श्रेक म्हा महिन। हिन्नित्ति विकार GEDANET Laneme GEDANET TOKEN name & STENT moter उन्हें bafferen majer क्षांह्या उर्डे Dt y year 1 (Jost Samuel) int num = 10 the bree youtet table index- a হরতমক্ত ব্যব্ধ পড়ি 1 num lint 10 - symbol table ... १००० जामा का शका delimeter -> separator. (space, zoma, stront, operator) x = x = z = 40; flowd c = 2*b* (x+4+2); old is it is bid. + * + = instance Siresia स्थाप्त्य है प्याप्तिमार्थे स्थाप्त्य है प्याप्तिमार्थे 1 Con stout miconben & 1.0, 10 toolting should !! "..." Stand Literals "..."

Tokens < Token. name lencome>
For encomple: Token > < id , oc>

Lecture-10kd P milgroon Ital Hills.

Presentaly

natural Language - Ottor language then grammar définesses

Formal Language - Ottor grammar défine sols then language

Compiler - Source program Est target program - a convoir

L. c., java -> binary & convert sols

-> high level Language -> Low level L. convert

Problemme -> Build 23/1 3116012 compiler.

Interpreter -> Compiler + Exception line by line 221

L> python Cinput

Source Propreter -> Output

input -> interpreter -> Output

Source -> [complien] -> Tanget program

Input Target Output

#Interpreter slower than compiler ansi execute ansi on time of line compile ansi execute ansi on time

* Interpreter > 11 11 a easy.

* Assembly language -

च्छा उम्र मा roader अरहरे।
- धाला उम्हाह क्रिक माहरू तह्माहित विहार क्राह्म क्राह्म क्रिक माहरू माहरू प्राह्म विहार क्राह्म क्राह्म

Analysis

-Front Endo Lexical - Intermediate of

Back Ando Machine -> machine - Dependent

Synthesis phase

Token: punctuation marks, keyword ?

Symbol Table: Token - attribute (Type, sm bit...)
Analysis phase- Symbol table a entry cons 2011

Lecture-2

I -> Alphabet (timete set of symbols) of]

E → epsilon → Empty. 4 valib tor Alphabet

IWI -> length

Prefix - (E, a, ab & abc) proper prefix moin cuc
Prefix - (E, a, ab & abc)
Prefix one free on 1 50 (E, a, ab)

Power of Alphabet ->

I= 10,1}

Ex = K-so really & souldern extremed states bose, pop

Trayen/ reagen - surmered to may * * They part / Longing Formal language -> A set of strong. On strong ग्रह्मा कायल इं सारक। Pall bossippe pendyt & Do sturnd sizil bossis THE SOTTOD FIET So formal Limis subset of 2 * Shed month of Back Bild: machine --> machine-Dept E2 = {a,b,c,d} | Here \(\tilde{\gamma}\) is superset of \(\tilde{\gamma}\) Σι = {a,b,c/b, νουμερισό δο βρασι σο ήτρο βρασιος στο μοτο String String & Strin String TA lenght Lectorce - 2 zero I -> Alphabet (timete set of symbols)1,0} 2 1 E -> Ebellon -> Empty todadala not dilave IWI -> length Profix -> (E. a sab & abc) praper profix main would 1 Aco at 50 (E a a b) महाज्ञा केल्बे Power of Alphabet 913600 1 स्थालाह ठीएमाम् १ १८०० डिक्ट है मुहिएम के म