

Java, C, Python hybrid compiler use ~~one~~-

Lexical analysis phase at lexical error 23, 25 token generate at 24,

↳ Panic mode recovery (lexical error recover solve করার পদ
ওপায়)

If $\frac{a}{b} = \frac{c}{d}$
no. of extremes: 6

no of lexemes: 6

no " tokens: 6

generate 26°,

token \in grammar \in Σ^*
→ define Σ

lexeme for the token

$$a = b - e$$

if  \rightarrow is common lexem.

int sum

$(a-b)$
 $\hookrightarrow a$
 $\hookrightarrow b$
 $\hookrightarrow aa$
 $\hookrightarrow bb$
 $\hookrightarrow aab$
 $\hookrightarrow bab$

Lexical errors

$$f_i + (a = b)$$

lexical analyzer token generate konar somoy

$$\{(a-z)^+y\} = \{z^+y\}$$

If semantic analysis is logical
error checking \exists variables
are declared or not, so every --
check in the semantic analysis

if ($a == b$)

IF (ID ADDOP ID)

value এর সাথে syntax analyzer এর stack এ push করে রাখি,

~~• $f_1 + \dots + f_n$~~ ($a = b$)

fit lexeme or 21231
21231 match 20231 21.

fi (a == b) .

ID (ID ADDOP ID)

if it is set Identifier token generate 20th as 3rd last pattern

$\{(a-z)^+\}$ සඳහා මුළු මෙහෙයුම් පෙන්වනු ලබයි.

Syntax analysis phase is busy till the tokens are successfully taken
analysis of character punctuations can be done by the parser
gen rule, syntax analysis →
parser or grammar ग्राम्यका check करता है।
syntax or IF (ID ADDOP ID) से लेकर ID तक
उत्तर 21/2

$$\underline{f_i + (a = b)}$$

first lexeme in file is taken
will match file if token
generate file will be lexical error.

etkun lexical error in ^{at} ^{at} ⁱⁿ recovery method

design bone decker meta we ~~most~~

as lexical error 122 725 panic mode reovers

active role

panic mode.

pattern match 281

extreme character or concern with start, token generate

Parsing, scanning are usually left to right ANSI Standard Right-associativity

error ହାତେ stage ଏ କିମ୍ବା କିମ୍ବା grammar (CFG). ପରିବାର

define কোন অর্থে,

else if {token = ID}.

$$\{(d-z)^t\}$$

~~cif~~(a == b)

TF

successfully panic mode recover key ~~the~~ as one of the

2722) match korche 71, so ehn ist es am fñr

ask, if pattern Ⓜ ~~is~~ ^{not} matched successfully

panic mode recovery.

token generate ~~base~~ ~~host~~ mode 23 token generate
host panic over fault exception panel

ପାଇଁ ମୁଣ୍ଡ କରିବାର ଅଛି କିମ୍ବା କିମ୍ବା କିମ୍ବା

11 25 commerce

design, design, design, pattern, pattern, pattern

In panic mode we are token generate 22.

tracking

Syntax error:

→ missing or misplaced punctuations

→ incorrect use of keywords. (`if` :: `if`)

→ mismatched brackets.

→ incorrectly structured statements.

↳ `[if (a=b);]` → incorrectly structured statements

→ check code grammar for define $a = b$

or forgot,

language difference because the

define `int a;` and `a =`

recovery method detailed question - only

Semantic error:

→ Using variables that have not been declared.

→ type mismatches.

→ misuse of operators or functions.

→ logical errors.

• a variable use `abc`; but over `define abc`,

`a = 1;` so semantic error ①

• a datatype `int`; but a is ~~abc~~ store ~~abc~~

"abc" - string. ∴ type mismatch ②

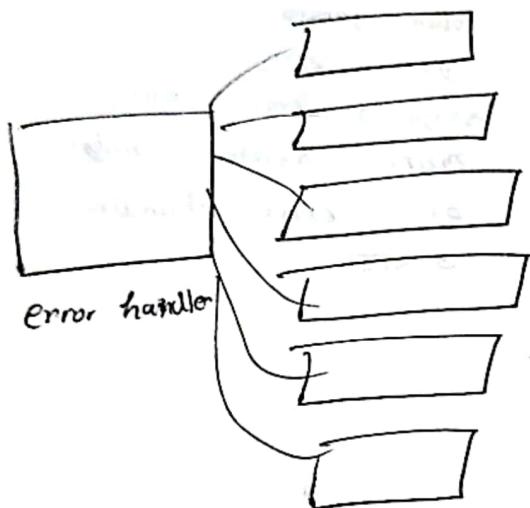
③ $Z = a + b$; operator in function parameter use >= ~~operator~~

④ $Z = a + b$ ~~is not valid~~ $= a + b$

$[a + b \neq Z] \rightarrow$ logical error.

Error Handler.

in phase ~~for~~ compile:



INT ID

int {}

251 error handle ~~err~~,
252 number line \rightarrow error ~~for~~
operator or track ~~last~~
253 user \rightarrow error show
254

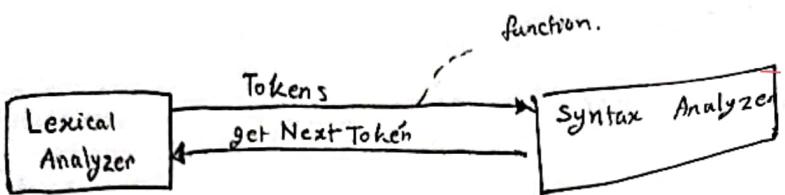
semantic analysis phase \rightarrow err.
6121 error handle ~~err~~,
var token el line aer error
joinno error anche.

traceback ~~err~~, lexical analysis stage \rightarrow
final output \rightarrow ~~err~~ check
2522 line final \rightarrow \rightarrow line \rightarrow
error show ~~err~~.

↳ traceback \rightarrow in ~~operator~~
error handle ~~err~~ or operators
define \rightarrow ~~err~~ \rightarrow ~~err~~,

The role of Lexical Analyzer

Token generate ~~err~~, \rightarrow or parser \rightarrow pars \rightarrow ~~err~~ \rightarrow ~~err~~.



int a; INT ID SEMI COLON

parallelly কাজে করতে।
lexer loop এর ফল।

	lexeme	to do
1572	generate root	token
gen	err	err
stage	return	error
7373	syntax	analyze
or	error	handle
7 2163		