

**In-  
pro-  
ceed-  
ings**

<https://github.com/pallavagarwal07/amigo>

IIT

Guwa-

hati

Nov.

2016

-

March.

2017

Implemented

a

com-

piler

for

a

fully

func-

tional

sub-

set

of

the

Go

lan-

guage,

in

C++

and

Python.

Used

flex

and

bi-

son

to

ob-

tain

an

AST,

which

is

later

trans-

lated

to

a

x64

as-

sem-

bly.

Implemented

point-

ers,

mul-

ti-

ple

re-

turn

val-

ues,

deeply

nested

ar-

rays,

with

some

as-

sem-

bly

level