```
Struct
```

struct matrix {

double ## array;

long num_of_rows;

long num_of_cols;

DECLARING A STRUCT

INITIALISING A STRUCT VARIABLE

struct module cs1010
type

+"Instance" of a Struct

· Code = "(Sloto";

· Kile = "Programming Methodology";

· Mc = 4;

. notation is used to access members/attributes of a certain struct

PASSING STRUCTS INTO A FUNCTION

ts a pan-by value

void for (short type var-name, type often var)?

k pass-by reference

Void updak-mc (stact module cossolo), long man-hours) {

(+cs(010)-mc= nmm-hours/2.5;

developmencing stact

We can dereference pointer to struct using the arrow notation:

CSIO(0->mc = num-hours/2.5;

A struct gets expired when returning value to the caller

DEFINING OUR OWN TYPE IN C

Convention dictate suffixing our own types using "-t".

This can be declared using typedef.

typedef stret module {

Char + code;

char + fitte;

long mc;

?

>

OR

typeda smet ?

char + codi; Char + fifle;

long mi,

3 module;

REASONS FOR NOT USING TYPEDEF

. MARU code harder to rad (used to refer to info abscard by crating our own type)

STD10 (Standard Input & Output)

printf

Example: printf ("gos is a gold-mc module \n", module.code, module.mc)

string long new line

printf can take in variable number of pavameka

Format: % [flags][field_width][:precision][length_modifier] specifier

long width;
long height;
scanf ("wold wold", & width, & height)
addas
width

Scanning stops when an input charack does not match such a format characker or when input convenion fails.

On success scanf returns number of items successfully matched. Useful for debugging.