30-Day C Language Learning Plan

dy 19: Structures - Basics

- 1. Structure for student
- 2. Array of structures

Notes:

O A structure in C is a user-defined data type that allows grouping variables of different types under one name.

SYNTAX:
Strick Student {

char rane [50];

int roUNo;

float marks;

};

a. Define the stricture (outside main)

or inside.

b. Declare structure variables:

struct student 31;

C. Access members using the dot operator. ();

(2) ARRAY OF STRUCTURE: -

y purpose: store multiple records (e.g. multiple students) in one variable.

SYNTAX: strict Student students [3]; ACCESSING: -1) Assign directly at initialization; struct student & char name [50]; int roll; float marks; Struct Student s1 = } "Purvi", 1, 88.53; (2) Using scanf() or gels() to input directly into the member. strict Student si; prints (" Enter name; "); scand ("1.5" 21. name); Editectly stones into char atray Prints ("Enter 1011;"): Scang ("1.2", 251. MU); print! ("Exter marks: "); Scarf ("1.1", &sl. marke);