Here's a simple C program that defines a structure Employee to store details of 20 employees and a function to display these details:

c

#include <stdio.h>

// Define the structure to hold employee details

struct Employee {

int empno;

char empname[50];

char department[50];

float salary;

};

// Function to display employee details

void displayEmployees(struct Employee employees[], int count) {

printf("EmpNo\tName\t\tDepartment\tSalary\n");

printf("------------------------------------------------------\n");

for (int i = 0; i < count; i++) {

printf("%d\t%-15s\t%-15s\t%.2f\n", employees[i].empno, employees[i].empname, employees[i].department, employees[i].salary);

}

}

int main() {

// Create an array to store 20 employees

struct Employee employees[20];

// Input details for 3 employees (for example)

employees[0].empno = 1;

snprintf(employees[0].empname, sizeof(employees[0].empname), "Chirag");

snprintf(employees[0].department, sizeof(employees[0].department), "HR");

employees[0].salary = 20000;

employees[1].empno = 2;

snprintf(employees[1].empname, sizeof(employees[1].empname), "Arnav");

snprintf(employees[1].department, sizeof(employees[1].department), "Finance");

employees[1].salary = 56000;

employees[2].empno = 3;

snprintf(employees[2].empname, sizeof(employees[2].empname), "Shivam");

snprintf(employees[2].department, sizeof(employees[2].department), "IT");

employees[2].salary = 30500;

// Display employee details

displayEmployees(employees, 3);

return 0;

}

### Explanation:

1. \*Structure Definition\*: The Employee structure is defined with empno (employee number), empname (employee name), department (department name), and salary.

2. \*Display Function\*: The displayEmployees function takes an array of Employee structures and the number of employees to display. It prints the details in a formatted manner.

3. \*Input and Output\*: In the main function, an array of Employee structures is created. For simplicity, the program inputs details for 3 employees and then calls displayEmployees to print their details.

You can extend the program to handle 20 employees by adding more details to the array and adjusting the count parameter in displayEmployees accordingly.