



SNS COLLEGE OF TECHNOLOGY



Coimbatore-36.

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

**COURSE NAME : 23ITT101 PROGRAMMING IN C AND DATA
STRUCTURES**

I YEAR/ II SEMESTER

ARRAY OF STRUCTURES

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Array of Structure

We can also declare an array of **structure** variables. in which each element of the array will represent a **structure** variable. **Example :** `struct employee emp[5];`

The below program defines an array `emp` of size 5. Each element of the array `emp` is of type `Employee`.



STRUCTURES



```
#include<stdio.h>

struct Employee
{
    char ename[10];
    int sal;
};

struct Employee emp[5];
int i, j;
void ask()
{
    for(i = 0; i < 3; i++)
    {
        printf("\nEnter %dst Employee record:\n", i+1);
        printf("\nEnter name:\t");
        scanf("%s", emp[i].ename);
        printf("\nEnter Salary:\t");
        scanf("%d", &emp[i].sal);
    }
    printf("\nDisplaying Employee record:\n");
    for(i = 0; i < 3; i++)
    {
        printf("\nEnter name is %s", emp[i].ename);
        printf("\nEnter salary is %d", emp[i].sal);
    }
}
```

```
void main()
{
    ask();
}
```

