**TITLE 25**

Write a C Program using structure for entering details of the five students as name, admission number, Date of birth, department and display all the details.

**OBJECTIVE:**

By the end of this activity we will be able to use structures for writing programs in C.

**PROBLEM STATEMENT:**

In this problem we aim to enter the details of students and display the information of the students using structures. Input from the user:

Enter name:

Enter admission number:

Enter DOB:

Enter department:

Once the data is collected and stored, the output is displayed.

**ALGORITHM:**

START

Define variables:

INPUT: Read from the keyboard

COMPUTATION: Computing the details of the students using structures

DISPLAY: Displaying the information of the student

STOP

**PROGRAM:**

#include<stdio.h>

struct date

{

int dd;

int mm;

int yy;

};

struct details

{

char name[20];

int admin;

struct date dob;

char dept[20];

};

int main()

{

struct details d[4];

int i;

for(i=0;i<5;i++)

{

printf("Enter name:");

scanf("%s",&d[i].name);

printf("Enter admission number:");

scanf("%d",&d[i].admin);

printf("Enter DOB:");

scanf("%d %d %d",&d[i].dob.dd,&d[i].dob.mm,&d[i].dob.yy);

printf("Enter depratment:");

scanf("%s",&d[i].dept);

}

for(i=0;i<5;i++)

{

printf("Name:%s\n",d[i].name);

printf("Admission Number:%d\n",d[i].admin);

printf("DOB:%d %d %d\n",d[i].dob.dd,d[i].dob.mm,d[i].dob.yy);

printf("Department:%s\n",d[i].dept);

}

return 0;

}

**CONCLUSION:**

The simulationof the above C programhelped me to understand structures and using this knowledge I can apply structures for writing other programs.

**OUTPUT:**

Enter name:Shyam

Enter admission number:1

Enter DOB:23.10.01

Enter department:ECE

Enter name:Krishna

Enter admission number:2

Enter DOB:2.01.02

Enter department:ECE

Enter name:Likhita

Enter admission number:3

Enter DOB:13.08.01

Enter department:ECE

Enter name:Laasya

Enter admission number:4

Enter DOB:22.04.02

Enter department:ECE

Enter name:Sushanth

Enter admission number:5

Enter DOB:30.12.01

Enter department:ECE

Name: Shyam

Admission number:1

DOB:23.10.01

Department:ECE

Name: Krishna

Admission number:

DOB:2.01.02

Department:ECE

Name: Likhita

Admission number:3

DOB:13.08.01

Department:ECE

Name: Laasya

Admission number:4

DOB:22.04.02

Department:ECE

Name: Sushanth

Admission number:5

DOB:30.12.01

Department:ECE