**STRUCTURES**

SARTHAK SANAY

**(1) AIM:-**

To write a program in C to calculate the total and average marks of students using structures.

**CODE:-**

**#include <stdio.h>**

**struct student**

**{**

**int rollNo;**

**char name[100];**

**int marks;**

**};**

**int main()**

**{**

**struct student s1 = {1, "Akash", 75};**

**struct student s2 = {2, "Sankalp", 92};**

**struct student s3 = {3, "Anshul", 65};**

**struct student s4 = {4, "Naman", 82};**

**struct student s5= {5, "Yuvraj", 54};**

**int totalMarks = s1.marks + s2.marks + s3.marks + s4.marks + s5.marks;**

**double avgMarks = totalMarks/5;**

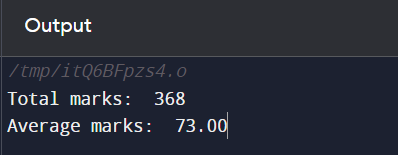
**printf("Total marks: %d\n", totalMarks);**

**printf("Average marks: %.2f", avgMarks);**

**return 0;**

**}**

**OUTPUT SCREEN:-**

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**(2) AIM:-**

To write a program in C to store employee information (name, ID, salary) and then display it using structures.

**CODE:-**

**#include <stdio.h>**

**struct employee**

**{**

**int empId;**

**char name[100];**

**int salary;**

**};**

**int main()**

**{**

**struct employee e1 = {12, "Shashank Kashyap", 600000};**

**struct employee e2 = {34, "Vatsal Kumar", 450000};**

**struct employee e3 = {38, "Siddhant Tripathi", 1200000};**

**struct employee e4 = {56, "Neel Pandey", 780000};**

**struct employee e5 = {61, "Karan Singh", 1150000};**

**printf("Employee Structure:-\n");**

**printf("Id: %d\t Name: %s\t Salary: Rs. %d\t\n", e1.empId, e1.name, e1.salary);**

**printf("Id: %d\t Name: %s\t\t Salary: Rs. %d\t\n", e2.empId, e2.name, e2.salary);**

**printf("Id: %d\t Name: %s\t Salary: Rs. %d\t\n", e3.empId, e3.name, e3.salary);**

**printf("Id: %d\t Name: %s\t\t Salary: Rs. %d\t\n", e4.empId, e4.name, e4.salary);**

**printf("Id: %d\t Name: %s\t\t Salary: Rs. %d\t\n", e5.empId, e5.name, e5.salary);**

**return 0;**

**}**

**OUTPUT SCREEN:-**

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