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Structures in C & C++

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#include <stdio.h>

#include<conio.h>

int main(){

struct car{

char \*brand;

char \*model;

char \*fuelType;

int fuelCapacity;

float mileage;

};

struct car car1={"Ford", "Figo", "Diesel", 43, 15.7};

struct car car2={"Mahindra", "XUV 500", "Diesel", 62, 11.6};

struct car car3={"Honda", "City", "Petrol",40, 13.6};

printf("CAR DETAILS:");

printf("\n\n Brand:%s\n Model:%s\n Fuel Type:%s\n Fuel Capacity:%d\n Mileage:%f", car1.brand, car1.model, car1.fuelType, car1.fuelCapacity, car1.mileage);

printf("\n\n Brand:%s\n Model:%s\n Fuel Type:%s\n Fuel Capacity:%d\n Mileage:%f", car2.brand, car2.model, car2.fuelType, car2.fuelCapacity, car2.mileage);

printf("\n\n Brand:%s\n Model:%s\n Fuel Type:%s\n Fuel Capacity:%d\n Mileage:%f", car3.brand, car3.model, car3.fuelType, car3.fuelCapacity, car3.mileage);

getch();

}

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Array of structures in C & C++

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#include <stdio.h>

#include <conio.h>

int main(){

struct student

{

int rollno;

char name[25];

int totalmark;

}stud[5];

int n,i;

printf("Enter total number of students\n\n");

scanf("%d",&n);

for(i=0;i<n;i++){

printf("Enter details of %d-th student\n",i+1);

printf("Name:\n");

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

printf("Roll number:\n");

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

printf("Total mark:\n");

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

}

printf("STUDENTS DETAILS:\n");

for(i=0;i<n;i++){

printf("\nRoll number:%d\n",stud[i].rollno);

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

printf("Total mark:%d\n",stud[i].totalmark);

}

getch();

}