Pointer To One Structure Variable

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Topic: Pointer To One Structure Variable.

Assignment Date:24/04/23

<…….>

1.Student.

```
#include<stdio.h>
#include<string.h>
typedef struct student
{
        char name[50];
        char gender[50];
        float  marks;
        int rollnum;

}student;
void store(student*);
void display(student*);

void main()
{
        student s1;
        store(&s1);
        display(&s1);

}
void store(student* s1)
{
        int i;
```

```
        puts(".....Hey Answer The Below Question.....");


        puts("..........................................................................");
        printf("Enter Name of The Student    :");
        scanf("%s",&s1->name);
        fflush(stdin);
        printf("Enter Roll Number of Student :");
        scanf("%d",&s1->rollnum);

        printf("Enter Gender of Student      :");
        scanf("%s",&s1->gender);
        fflush(stdin);
        printf("Enter Marks of Student       :");
        scanf("%f",&s1->marks);
        fflush(stdin);

}
void display(student* a)
{
        puts("\n Hey ur Entered Details are");
        puts("..........................................................................");
        printf("Student  Name          :%s",a->name);
        printf("\nStudent  Roll number    :%d",a->rollnum);
        printf("\nStudent  Gender         :%s",a->gender);
        printf("\nStudent  Marks          :%.2f %%",a->marks);


}
```

```
........Hey Answer The Below Question.........
.....................................................................
Enter Name of The Student    :Ravi zanke
Enter Roll Number of Student :1
Enter Gender of Student      :Male
Enter Marks of Student       :88

 Hey ur Entered Details are
.....................................................................
Student  Name            :Ravi
Student  Roll number     :1
Student  Gender          :Male
Student  Marks           :88.00 %
--------------------------------
Process exited after 22.3 seconds with return value 34
Press any key to continue . . .
```

<……..>

2.Employ.

```
#include<stdio.h>
#include<string.h>
typedef struct employ
{
        char name[50];
        int  id;
        double salary;

}employ;
void store(employ*);
void display(employ*);

void main()
{
        employ e1;
        store(&e1);
        display(&e1);
```

```
}
void store(employ* e1)
{

        puts(".....Hey Answer The Below Question.....");


        puts("..................................................................");
        printf("Enter Name of The Employ  :");
        scanf("%s",&e1->name);
        fflush(stdin);
        printf("Enter Id Number of Employ :");
        scanf("%d",&e1->id);

        printf("Enter Salary of Employ    :");
        scanf("%lf",&e1->salary);
        fflush(stdin);


}
void display(employ* a)
{
        puts("\n Hey ur Entered Details are");
        puts("..................................................................");
        printf("Employ  Name      :%s",a->name);
        printf("\nEmploy  Id number  :%d",a->id);
        printf("\nEmploy  salary     :%.2lf Rupees/month /-",a->salary);



}
```

```
........Hey Answer The Below Question.........
.....................................................................
Enter Name of The Employ  :James bond
Enter Id Number of Employ :22
Enter Salary of Employ    :120000

 Hey ur Entered Details are
.....................................................................
Employ  Name       :James
Employ  Id number  :22
Employ  salary     :120000.00 Rupees/month /-
--------------------------------
Process exited after 19.62 seconds with return value 46
Press any key to continue . . .
```

<.....>

3.Sales Manager.

```
#include<stdio.h>
#include<string.h>
typedef struct SalesManager
{
        char name[50];
        int  id;
        double salary;
        double incentive;
        int target;


}SalesManager;
void store(SalesManager*);
void display(SalesManager*);

void main()
{
```

```
        SalesManager sm1;
        store(&sm1);
        display(&sm1);

}
void store(SalesManager* sm1)
{

        puts(".....Hey Answer The Below Question.....");

        puts("..................................................................");
        printf("Enter Name of The Sales Manager   :");
        gets(&sm1->name);
        fflush(stdin);
        printf("Enter Id Number of Sales Manager  :");
        scanf("%d",&sm1->id);
        printf("Enter Salary of Sales Manager     :");
        scanf("%lf",&sm1->salary);
        printf("Enter Incentives of Sales Manager :");
        scanf("%lf",&sm1->incentive);
        printf("Enter Targetof Sales Manager      :");
        scanf("%d",&sm1->target);

}
void display(SalesManager* a)
{
        puts("\n Hey ur Entered Details are");
        puts("..................................................................");
        printf("Sales Manager  Name      :%s",a->name);
        printf("\nSales Manager  Id number  :%d",a->id);
        printf("\nSales Manager  salary     :%.2lf Rupees/Months /-",a->salary);
```

```
        printf("\nSales Manager  Incentive  :%.2lf Rupees/Months /-",a->incentive);
        printf("\nSales Manager  Target     :%d",a->target);


}
```

```
........Hey Answer The Below Question.........
.....................................................................
Enter Name of The Sales Manager   :Robert Jr.
Enter Id Number of Sales Manager  :9
Enter Salary of Sales Manager     :80000
Enter Incentives of Sales Manager :1800.92
Enter Targetof Sales Manager      :10

 Hey ur Entered Details are
.....................................................................
Sales Manager  Name       :Robert Jr.
Sales Manager  Id number  :9
Sales Manager  salary     :80000.00 Rupees/Months /-
Sales Manager  Incentive  :1800.92 Rupees/Months /-
Sales Manager  Target     :10
------------------------------
Process exited after 26.06 seconds with return value 30
Press any key to continue . . .
```

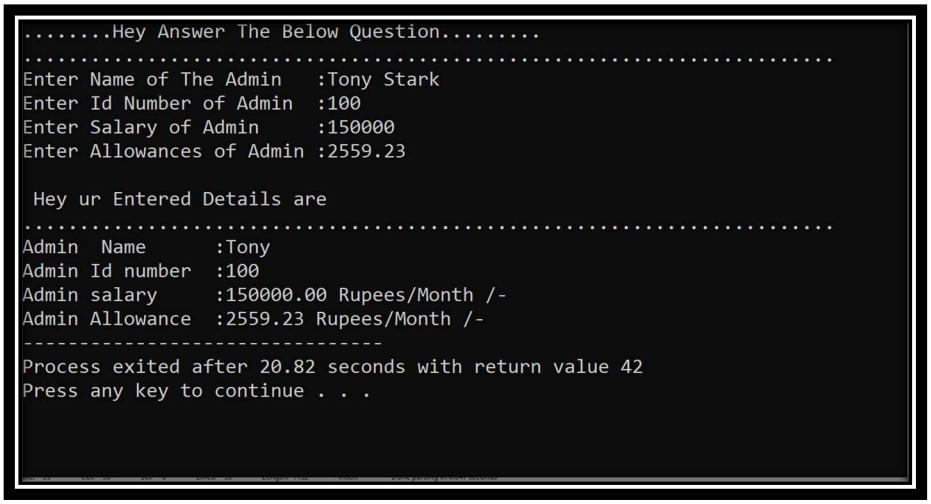
<.....>

4.Admin.

```
#include<stdio.h>
#include<string.h>
typedef struct Admin
{
        char name[50];
        int  id;
        double salary;
        double allowance;


}Admin;
void store(Admin*);
```

```
void display(Admin*);

void main()
{
        Admin a1;
        store(&a1);
        display(&a1);

}
void store(Admin* a1)
{

        puts(".....Hey Answer The Below Question.....");

        puts("..................................................................");
        printf("Enter Name of The Admin   :");
        scanf("%s",&a1->name);
        fflush(stdin);
        printf("Enter Id Number of Admin  :");
        scanf("%d",&a1->id);
        printf("Enter Salary of Admin     :");
        scanf("%lf",&a1->salary);
        printf("Enter Allowances of Admin :");
        scanf("%lf",&a1->allowance);


        fflush(stdin);

}
void display(Admin* a)
{
```

```
        puts("\n Hey ur Entered Details are");
        puts(".....................................................................");
        printf("Admin  Name     :%s",a->name);
        printf("\nAdmin Id number  :%d",a->id);
        printf("\nAdmin salary     :%.2lf Rupees/Month /-",a->salary);
        printf("\nAdmin Allowance  :%.2lf Rupees/Month /-",a->allowance);


}
```



<.....>

5.HR.

```
#include<stdio.h>
#include<string.h>
typedef struct HR
{
        char name[50];
        int  id;
        double salary;
        double commission;
```

```
}HR;
void store(HR*);
void display(HR*);

void main()
{
        HR hr1;
        store(&hr1);
        display(&hr1);

}
void store(HR* hr1)
{

        puts(".....Hey Answer The Below Question.....");

        puts("..................................................................");
        printf("Enter Name of The HR   :");
        scanf("%s",&hr1->name);
        fflush(stdin);
        printf("Enter Id Number of HR  :");
        scanf("%d",&hr1->id);
        printf("Enter Salary of HR     :");
        scanf("%lf",&hr1->salary);
        printf("Enter Commission of HR :");
        scanf("%lf",&hr1->commission);


        fflush(stdin);

}
```

```
void display(HR* a)
{
	puts("\n Hey ur Entered Details are");
	puts(".....................................................................");
	printf("HR Name      :%s",a->name);
	printf("\nHR Id number  :%d",a->id);
	printf("\nHR salary     :%.2lf Rupees/Month /-",a->salary);
	printf("\nHR Commission :%.2lf Rupees/Month /-",a->commission);


}
```

```
........Hey Answer The Below Question.........
.....................................................................
Enter Name of The HR   :Black Widow
Enter Id Number of HR  :7
Enter Salary of HR     :90000
Enter Commission of HR :5999

 Hey ur Entered Details are
.....................................................................
HR Name       :Black
HR Id number  :7
HR salary     :90000.00 Rupees/Month /-
HR Commission :5999.00 Rupees/Month /-
--------------------------------
Process exited after 31.77 seconds with return value 39
Press any key to continue . . .
```

<.....>

6.Date.

```
#include<stdio.h>
#include<string.h>
typedef struct Date
{
	int  day;
	int month;
	int year;
```

```
}Date;
void store(Date*);
void display(Date*);

void main()
{
	Date d1;
	store(&d1);
	display(&d1);

}
void store(Date* d1)
{

	puts(".....Hey Answer The Below Question.....");

	puts("..................................................................");
	printf("Enter Day of The Date     :");
	scanf("%d",&d1->day);
	printf("Enter Month Number of Date :");
	scanf("%d",&d1->month);
	printf("Enter Year of Date        :");
	scanf("%d",&d1->year);
	fflush(stdin);

}
void display(Date* a)
{
	puts("\n Hey ur Entered Details are");
```

```
        puts("..................................................................");
        printf("Day|Month|Year:");
        printf("\n %d   %d    %d",a->day,a->month,a->year);



}
```

```
........Hey Answer The Below Question.........
..................................................................
Enter Day of The Date      :26
Enter Month Number of Date :04
Enter Year of Date         :2023

 Hey ur Entered Details are
..................................................................
Day|Month|Year:
 26   4    2023
--------------------------------
Process exited after 12.55 seconds with return value 16
Press any key to continue . . .
```

<……..>

7.Time.

```
#include<stdio.h>
#include<string.h>
typedef struct Time
{
        int  hours;
        int mins;
        int seconds;



}Time;
void store(Time*);
```

```
void display(Time*);

void main()
{
	Time t1;
	store(&t1);
	display(&t1);

}
void store(Time* t1)
{

	puts(".....Hey Answer The Below Question.....");
	puts("..................................................................");
	printf("Enter Hours   :");
	scanf("%d",&t1->hours);
	printf("Enter Minutes :");
	scanf("%d",&t1->mins);
	printf("Enter Seconds :");
	scanf("%d",&t1->seconds);
	fflush(stdin);

}
void display(Time* a)
{
	puts("\n Hey ur Entered Details are");
	puts("..................................................................");
	printf(" Hours|Minutes|Seconds:");
	printf("\n %d     %d     %d",a->hours,a->mins,a->seconds);

}
```

```
........Hey Answer The Below Question.........
.....................................................................
Enter Hours   :1
Enter Minutes :22
Enter Seconds :33

 Hey ur Entered Details are
.....................................................................
 Hours|Minutes|Seconds:
 1      22      33
--------------------------------
Process exited after 4.134 seconds with return value 19
Press any key to continue . . .
```

<……..>

8.Complex Number.

```
#include<stdio.h>
#include<string.h>
typedef struct ComplexNumber
{
        float  real;
        float imaginary;



}ComplexNumber;
void store(ComplexNumber*);
void display(ComplexNumber*);

void main()
{
        ComplexNumber cn1;
        store(&cn1);
        display(&cn1);
```

```
}
void store(ComplexNumber* cn1)
{

        puts(".....Hey Answer The Below Question.....");
        puts("..........................................................................");
        printf("Enter Real Number     :");
        scanf("%f",&cn1->real);
        printf("Enter Imaginary Number:");
        scanf("%f",&cn1->imaginary);
        fflush(stdin);

}
void display(ComplexNumber* a)
{
        puts("\n Hey ur Entered Details are");
        puts("..........................................................................");
        printf("The Syntax   :(RealNumber)+(ImaginaryNumber)i");
        printf("\nYour Equation:    %.2f   +     %.2fi",a->real,a->imaginary);

}
```

```
.....Hey Answer The Below Question.....
..........................................................................
Enter Real Number     :26
Enter Imaginary Number:11

 Hey ur Entered Details are
..........................................................................
The Syntax   :(RealNumber)+(ImaginaryNumber)i
Your Equation:     26.00   +      11.00i
--------------------------------
Process exited after 3.012 seconds with return value 41
Press any key to continue . . .
```

<……>

9.Distance.

```
#include<stdio.h>
#include<string.h>
typedef struct Distance
{
        float  feets;
        float inches;



}Distance;
void store(Distance*);
void display(Distance*);

void main()
{
        Distance d1;
        store(&d1);
        display(&d1);

}
void store(Distance* d1)
{

        puts(".....Hey Answer The Below Question.....");
        puts("..................................................................");
        printf("Enter Number in feet   :");
        scanf("%f",&d1->feets);
        printf("Enter Number in Inches :");
        scanf("%f",&d1->inches);
```

```
        fflush(stdin);


}
void display(Distance* a)
{
        puts("\n Hey ur Entered Details are");
        puts("\n.....................................................................");
        printf("Feets|Inches");
        printf("\n%.2f | %.2f",a->feets,a->inches);


}
```