

# Typedef\_Using\_Pointer

## Admin

```
#include<stdio.h>
#include<string.h>
#include<stdlib.h>

typedef struct admin
{
    int id ;
    char name[15];
    int salary;
    int allownce;
}admin;
void storedata(admin*);
void printdata(admin*);

void main()
{
    admin a1;
    storedata(&a1);
    printdata(&a1);
}

void storedata(admin* ptr)
{
    printf("\nid is : ");
    scanf("%d",&ptr->id);
    printf("\nname is : ");
    scanf("%s",ptr->name);
    printf("\nsalary is : ");
    scanf("%d",&ptr->salary);
    printf("\nallownce is : ");
    scanf("%d",&ptr->allownce);
}

void printdata(admin*ptr)
{
    printf("\nadmin id is : %d",ptr->id);
    printf("\nadmin name is : %s ",ptr->name);
    printf("\nsalary is : %d",ptr->salary);
    printf("\nallownce is : %d Percentage ",ptr->allownce);
}

complex
#include<stdio.h>
#include<string.h>
```

```

#include<stdlib.h>
typedef struct complex
{
    int real ;
    int imaginary ;
}complex;

void storevalue(complex *);
void printfvalue(complex *);

void main()
{
    complex c1;
    storevalue(&c1);
    printfvalue(&c1);
}

void storevalue(complex *ptr)
{
    printf("enter the real number : ");
    scanf("%d",&ptr->real);
    printf("enter the imaginary number : ");
    scanf("%d",&ptr->imaginary );
}

void printfvalue(complex *ptr)
{
    printf("\naddition of both number is : %d + %d i ",ptr->real,ptr->imaginary);
}

```

### Date

```

#include<stdio.h>
#include<string.h>
#include<stdlib.h>

typedef struct date
{
    int day;
    int month;
    int year;
}date;

void storedate(date*);
void printdate(date*);

void main()
{
    date d1;

```

```

    storedate(&d1);
    printdate(&d1);

}

void storedate(date* ptr)
{
    printf("\n enter the day : ");
    scanf("%d",&ptr->day);
    printf("\n enter the month : ");
    scanf("%d",&ptr->month);
    printf("\n enter the year : ");
    scanf("%d",&ptr->year);
}

void printdate(date* ptr)
{
    printf("\n the day : %d ",ptr->day);
    printf("\n the month : %d",ptr->month);
    printf("\n the year : %d",ptr->year);
}

```

### **Distance**

```

#include<stdio.h>
#include<string.h>

typedef struct distance
{
    int feet;
    int inches;
}distance;

void storevalue(distance*);
void printvalue(distance*);

void main()
{
    distance d1;
    storevalue(&d1);
    printvalue(&d1);
}

void storevalue(distance* ptr)
{
    printf("enter the feet :");
    scanf("%d",&ptr->feet);
    printf("enter the inches: ");
    scanf("%d",&ptr->inches);
}

```

```
}
```

```
void printvalue(distance* ptr)
{
printf(" \nfeet is : %d ",ptr->feet);
printf(" \ninches is :%d ",ptr->inches);
}
```

## Employee

```
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
```

```
typedef struct employee
{
    int id ;
    char name[20];
    int salary;
}employee;
```

```
void storevalue(employee*);
void print(employee*);
```

```
void main()
{
    employee e1;
    storevalue(&e1);
    print(&e1);
}
```

```
void storevalue(employee* ptr)
{
    printf("\nenter the employee id : ");
    scanf("%d",&ptr->id);
    printf("Enter the employee name : ");
    scanf("%s",ptr->name);
    printf("\nenter the employee salary : ");
    scanf("%d",&ptr->salary);
}
```

```
void print(employee* ptr)
{
    printf("\n employee id : %d ",ptr->id);
    printf("\n employee name : %s ",ptr->name);
    printf("\nemployee salary : %d ",ptr->salary);
}
```

**hr**

```

#include<stdio.h>
#include<string.h>
#include<stdlib.h>
typedef struct HR
{
    int id ;
    char name[15];
    int salary;
    int commission;
}HR;

void storedata(HR*);
void printdata(HR*);

void main()
{
    HR h1;
    storedata(&h1);
    printdata(&h1);
}
void storedata(HR* ptr)
{
    printf("\nid is : ");
    scanf("%d",&ptr->id);
    printf("\nname is : ");
    scanf("%s",ptr->name);
    printf("\nsalary is : ");
    scanf("%d",&ptr->salary);
    printf("\ncommission is : ");
    scanf("%d",&ptr->commission);
}

void printdata(HR*ptr)
{
    printf("\n id is : %d",ptr->id);
    printf("\n name  is : %s ",ptr->name);
    printf("\n salary is : %d",ptr->salary);
    printf("\n commission is : %d Percentage ",ptr->commission);
}

```

### **sales\_man**

```

#include<stdio.h>
#include<string.h>
#include<stdlib.h>
typedef struct sales_manager
{
    int id ;
    char name[15];

```

```

    int sale;
    int intensvie;
    int target;
}sales_manager;

void storedata(sales_manager*);
void printdata(sales_manager*);

void main()
{
    sales_manager s1;
    storedata(&s1);
    printdata(&s1);
}

```

```

void storedata(sales_manager* ptr)
{
    printf("\nid is : ");
    scanf("%d",&ptr->id);
    printf("\nname is : ");
    scanf("%s",ptr->name);
    printf("\nsales is : ");
    scanf("%d",&ptr->sale);
    printf("\nintensive is : ");
    scanf("%d",&ptr->intensvie);
    printf("\ntarget is : ");
    scanf("%d",&ptr->target);
}

void printdata(sales_manager* ptr)
{
    printf("\nid is : %d",ptr->id);
    printf("\nname is : %s ",ptr->name);
    printf("\nsales is : %d",ptr->sale);
    printf("\nintensive is : %d Percentage ",ptr->intensvie);
    printf("\ntarget is : %d",ptr->target);
}

```

### **student**

```

#include<stdio.h>
#include<string.h>
#include<stdlib.h>

typedef struct student
{
    int roll;
    char name[20];
}student;

void studentvalue(student*);

```

```

void studentprint(student*);
void main()
{
    student s1;
    studentvalue(&s1);
    studentprint(&s1);
}

```

```

void studentvalue(student* ptr)
{
    printf("\n enter roll number is : ");
    scanf("%d",&ptr->roll);
    printf("\n enter name is : ");
    scanf("%s",ptr->name);
}

```

```

void studentprint(student* ptr)
{
    printf("\n name is %s ",ptr->name);
    printf("\n roll number is %d",ptr->roll);
}

```

## Time

```

#include<stdio.h>
#include<string.h>
#include<stdlib.h>

```

```

typedef struct time
{
    int hr;
    int min;
    int seconds;
}time;

```

```

void storetime(time*);
void printtime(time*);

```

```

void main()
{
    struct time t1;
    storetime(&t1);
    printtime(&t1);
}
void storetime(time* ptr)
{

```

```
printf("\n enter the hr : ");
scanf("%d",&ptr->hr);
printf("\n enter the min : ");
scanf("%d",&ptr->min);
printf("\n enter the seconds : ");
scanf("%d",&ptr->seconds);
}
```

```
void printtime(time* ptr)
{
    printf("\n the hr : %d ",ptr->hr);
    printf("\n the min : %d",ptr->min);
    printf("\n the seconds : %d",ptr->seconds);
}
```