**Structure Using Pointer**

**Student**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct student

{

int roll;

char name[20];

};

void studentvalue(struct student\*);

void studentprint(struct student\*);

void main()

{

struct student s1;

studentvalue(&s1);

studentprint(&s1);

}

void studentvalue(struct student\* ptr)

{

printf("\n enter roll number is : ");

scanf("%d",&ptr->roll);

printf("\n enter name is : ");

scanf("%s",ptr->name);

}

void studentprint(struct 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>

struct time

{

int hr;

int min;

int seconds;

};

void storetime(struct time\*);

void printtime(struct time\*);

void main()

{

struct time t1;

storetime(&t1);

printtime(&t1);

}

void storetime(struct 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(struct time\* ptr)

{

printf("\n the hr : %d ",ptr->hr);

printf("\n the min : %d",ptr->min);

printf("\n the seconds : %d",ptr->seconds);

}

**sale\_mana**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct sales\_manager

{

int id ;

char name[15];

int sale;

int intensvie;

int target;

};

void storedata(struct sales\_manager\*);

void printdata(struct sales\_manager\*);

void main()

{

struct sales\_manager s1;

storedata(&s1);

printdata(&s1);

}

void storedata(struct 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(struct 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);

}

**HR**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct HR

{

int id ;

char name[15];

int salary;

int commission;

};

void storedata(struct HR\*);

void printdata(struct HR\*);

void main()

{

struct HR h1;

storedata(&h1);

printdata(&h1);

}

void storedata(struct 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(struct 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);

}

**employee**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct employee

{

int id ;

char name[20];

int salary;

};

void storevalue(struct employee\*);

void print(struct employee\*);

void main()

{

struct employee e1;

storevalue(&e1);

print(&e1);

}

void storevalue(struct 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(struct employee\* ptr)

{

printf("\n employee id : %d ",ptr->id);

printf("\n employee name : %s ",ptr->name);

printf("\nemployee salary : %d ",ptr->salary);

}

**distance**

#include<stdio.h>

#include<string.h>

struct distance

{

int feet;

int inches;

};

void storevalue(struct distance\*);

void printvalue(struct distance\*);

void main()

{

struct distance d1;

storevalue(&d1);

printvalue(&d1);

}

void storevalue(struct distance\* ptr)

{

printf("enter the feet :");

scanf("%d",&ptr->feet);

printf("enter the inches: ");

scanf("%d",&ptr->inches);

}

void printvalue(struct distance\* ptr)

{

printf(" \nfeet is : %d ",ptr->feet);

printf(" \ninches is :%d ",ptr->inches);

}

**date**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct date

{

int day;

int month;

int year;

};

void storedate(struct date\*);

void printdate(struct date\*);

void main()

{

struct date d1;

storedate(&d1);

printdate(&d1);

}

void storedate(struct 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(struct date\* ptr)

{

printf("\n the day : %d ",ptr->day);

printf("\n the month : %d",ptr->month);

printf("\n the year : %d",ptr->year);

}

**complex**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct complex

{

int real ;

int imaginary ;

};

void storevalue(struct complex \*);

void printfvalue(struct complex \*);

void main()

{

struct complex c1;

storevalue(&c1);

printfvalue(&c1);

}

void storevalue(struct complex \*ptr)

{

printf("enter the real number : ");

scanf("%d",&ptr->real);

printf("enter the imaginary number : ");

scanf("%d",&ptr->imaginary );

}

void printfvalue(struct complex \*ptr)

{

printf("\naddition of both number is : %d + %d i ",ptr->real,ptr->imaginary);

}

**admin**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

struct admin

{

int id ;

char name[15];

int salary;

int allownce;

};

void storedata(struct admin\*);

void printdata(struct admin\*);

void main()

{

struct admin a1;

storedata(&a1);

printdata(&a1);

}

void storedata(struct 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(struct 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);

}