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);
}
```