Structure (10 assignment with main)

1 laptop

```
#include<stdio.h>
#include<string.h>
struct laptop
{
   char color[10];
   int ram;
   int weight;
   int price;
};

void main()
{
   struct laptop l1;
   struct laptop l2;
   struct laptop l3;
   strcpy(l1.color,"1 = red");
   strcpy(l2.color,"2 = yellow");
   printf("\ncolor is %s ",l1.color);
   printf("\ncolor is : %s ",l2.color);
   printf("\ncolor is : ");
   scanf("%s",&l3.color);
      printf("\ncolor is : %s ",l3.color);

   l1.price=25000;
   l2.price=35000;
   printf("\nprice 1 is %d",l1.price);
   printf("\nprice 2 is %d ",l2.price);
   printf("\nprice 3 is ");
   scanf("%d",&l3.price);
   printf("\nprice 3 is %d ",l3.price);
}
```

2 emp

```
#include<stdio.h>
#include<string.h>
struct emp
{
 char name[10];
 int id ;
 int salary;
 int dept_id ;
};

void main()
```

```
{
   struct emp e1;
   struct emp e2;
   struct emp e3;

//user enter
   printf("\n3 emp name enter here :  ");
   scanf("%s",&e3.name);
   printf("\n3 emp id enter here :  ");
   scanf("%d",&e3.id);
   printf("\n3 emp salary  enter here :  ");
   scanf("%d",&e3.salary);
   printf("\n 3 dept id is : ");
   scanf("%d",&e3.dept_id);

//emp name
   strcpy(e1.name,"ram");
   strcpy(e2.name,"raja");
   printf("\nemp 1 name is %s ",e1.name);
   printf("\nemp 2 name is %s",e2.name);
   printf("\nemp 3 name is %s",e3.name);

//emp id
   e1.id=15;
   e2.id=16;
   printf("\n 1 emp id is : %d",e1.id);
   printf("\n 2 emp id is : %d",e2.id);
   printf("\n 3 emp id is : %d",e3.id);

//salary
   e1.salary = 25000;
   e2.salary = 50000;

   printf("\n 1 emp salary is : %d",e1.salary);
   printf("\n 2 emp salary is : %d",e2.salary);
   printf("\n 3 emp salary is : %d",e3.salary);

//dept_id
   e1.dept_id= 1;
   e2.dept_id=2;
   printf("\n 1 dept id is : %d",e1.dept_id);
   printf("\n 2 dept id is : %d",e2.dept_id);
   printf("\n 3 dept id is : %d",e3.dept_id);
}
```

3 Department

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

```
#include<string.h>
struct department
{
   char name[10];
   int id;
   char location[15];
   int emp_count;
};

void main()
{
   struct department d1;
   struct department d2;
   struct department d3;

    //user enter
   printf("\n enter the name  : ");
   scanf("%s",&d1.name);
   printf("enter the id : ");
   scanf("%d",&d1.id);
   printf("enter the location: ");
   scanf("%s",&d1.location);
   printf("\nenter the emp_count :");
   scanf("%d",&d1.emp_count);

   //name
   strcpy(d2.name,"ronika");
   strcpy(d3.name,"reshma");
   printf("\n 1 name  : %s",d1.name);
   printf("\n 2 name  : %s",d2.name);
   printf("\n 3 name  : %s",d3.name);

   //id
   d2.id=1;
   d3.id=2;
   printf("\n1 id  is : %d",d1.id);
   printf("\n2 id  is : %d",d2.id);
   printf("\n3 id  is : %d",d3.id);

   //location
   strcpy(d2.location,"pune");
   strcpy(d3.location,"mumbai");
   printf("\n 1 name  : %s",d1.location);
   printf("\n 2 name  : %s",d2.location);
   printf("\n 3 name  : %s",d3.location);

   //emp_count
   d2.emp_count=100;
```

```
   d3.emp_count=200;
   printf("\n1 emp_count  is : %d",d1.emp_count);
   printf("\n2 emp_count  is : %d",d2.emp_count);
   printf("\n3 emp_count  is : %d",d3.emp_count);
}
```

4 Building

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

struct building
{
int flatno;
char owner[10];
int parking;
int rent;
};


void main()
{
   struct building b1;
   struct building b2;
   struct building b3;

   //asking user
printf("enter the flat no : ");
scanf("%d",&b1.flatno);
printf("enter the owner name  : ");
scanf("%s",&b1.owner);
printf("parking have  : ");
scanf("%d",&b1.parking);
printf("what is rent of this : ");
scanf("%d",&b1.rent);

   //flatno
   b2.flatno= 201;
   b3.flatno= 301;
   printf("\nflat no : %d",b1.flatno);
   printf("\nflat no : %d",b2.flatno);
   printf("\nflat no : %d",b3.flatno);

   //owner name
   strcpy(b2.owner,"tani");
   strcpy(b3.owner,"ishila");
   printf("\n owner is  %s",b1.owner);
   printf("\n owner is  %s",b2.owner);
   printf("\n owner is  %s",b3.owner);
```

```
   //parking have
   b2.parking= 2;
   b3.parking= 3;
   printf("\nparking no : %d",b1.parking);
   printf("\nparking no: %d",b2.parking);
   printf("\nparking no: %d",b3.parking);

   //rent

   b2.rent= 2000;
   b3.rent= 3000;
   printf("\nrent : %d",b1.rent);
   printf("\nrent: %d",b2.rent);
   printf("\nrent: %d",b3.rent);
}
```

5 school

```
#include<stdio.h>
#include<string.h>
struct school
{
   int intake;
   int rollno;
   char name[10];
   char subject[10];
};

void main()
{
   struct school s1;
   struct school s2;
   struct school s3;

   //user enter value
   printf("Enter the intake of class :  ");
   scanf("%d",&s1.intake);
   printf("Enter the roll number of student :  ");
   scanf("%d",&s1.rollno);
   printf("Enter the name :  ");
   scanf("%s",&s1.name);
   printf("Enter the essay  subject :  ");
   scanf("%s",&s1.subject);
```

```
   //intake
   s2.intake=60;
   s3.intake=80;
   printf("\nintake is : %d",s1.intake);
   printf("\nintake is : %d",s2.intake);
   printf("\nintake is : %d",s3.intake);

   //rollno
   s2.rollno=1;
   s3.rollno=2;
   printf("\nroll number is : %d ",s1.rollno);
   printf("\nroll number is : %d ",s2.rollno);
   printf("\nroll number is : %d ",s3.rollno);

   //name
   strcpy(s2.name,"omkar");
   strcpy(s3.name,"kartik");
   printf("\nname is %s ",s1.name);
   printf("\nname is %s ",s2.name);
   printf("\nname is %s ",s3.name);


   //subject
   strcpy(s2.subject,"Biology");
   strcpy(s3.subject,"Mathmatics");
   printf("\nesay subject is %s ",s1.subject);
   printf("\nesay subject is %s ",s2.subject);
   printf("\nesay subject is %s ",s3.subject);


}
```

6 Form

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

struct form
{
   char name[10];
   char sirname[10];
   int age;
   char gender[7];
};

void main()
{
struct form f1;
struct form f2;
```

```
struct form f3;

//user enter
printf("\n enter the name : ");
scanf("%s",&f1.name);
printf("\n enter the sirname : ");
scanf("%s",&f1.sirname);
printf("\n enter the age : ");
scanf("%d",&f1.age);
printf("\nenter the gender: ");
scanf("%s",&f1.gender);

//name
strcpy(f2.name,"tanika");
strcpy(f3.name,"karishma");
printf("\n name is %s ",f1.name);
printf("\n name is %s ",f2.name);
printf("\n name is %s ",f3.name);

//sirname
strcpy(f2.sirname,"jadhav");
strcpy(f3.sirname,"pawar");
printf("\n sirname is %s ",f1.sirname);
printf("\n sirname is %s ",f2.sirname);
printf("\n sirname is %s ",f3.sirname);

//age
f2.age=15;
f3.age=20;
printf("\n age is %d ",f1.age);
printf("\n age is %d ",f2.age);
printf("\n age is %d ",f3.age);

//gender
strcpy(f2.gender,"female");
strcpy(f3.gender,"female");
printf("\n gender is %s ",f1.gender);
printf("\n gender is %s ",f2.gender);
printf("\n gender is %s ",f3.gender);
}
```

7 Shop

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

struct shop
{
   int shopno;
```

```
   char shopname[20];
   char shopowner[20];
};


void main()
{
   struct shop s1;
   struct shop s2;
   struct shop s3;


   //user enter
   printf("Enetr the shop number here: ");
   scanf("%d",&s1.shopno);
   printf("Enetr the shop name here: ");
   scanf("%s",&s1.shopname);
   printf("Enetr the shop owner name  here: ");
   scanf("%s",&s1.shopowner);

   //shop number
   s2.shopno=264;
   s3.shopno=561;
   printf("\nshop number is : %d",s1.shopno);
   printf("\nshop number is : %d",s2.shopno);
   printf("\nshop number is : %d",s3.shopno);



   //show name
   strcpy(s2.shopname,"electornic");
   strcpy(s3.shopname,"Kirana store");
   printf("\nshop name is : %s",s1.shopname);
   printf("\nshop name is : %s",s2.shopname);
   printf("\nshop name is : %s",s3.shopname);


   //owner
   strcpy(s2.shopowner,"champklala gada");
   strcpy(s3.shopowner,"jetha bhai ");
   printf("\nshop owner is : %s",s1.shopowner);
   printf("\nshop owner is : %s",s2.shopowner);
   printf("\nshop owner is : %s",s3.shopowner);

}
```

8 ATM

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

```
#include<string.h>

struct ATM
{
   char cardname[50];
   int cardnumber;
   int amount;
   int pin;

};

void main()
{

   struct ATM a1;
   struct ATM a2;
   struct ATM a3;

   //user enter
   printf("\n enter the card name : ");
   scanf("%s",&a1.cardname);
   printf("\nenter the card number : ");
   scanf("%d",&a1.cardnumber);
   printf("\nenter the amount: ");
   scanf("%d",&a1.amount);
   printf("\n enter the pin");
   scanf("%d",&a1.pin);


   //cardname
   strcpy(a2.cardname,"Ram sethu Vani");
   strcpy(a3.cardname,"govind gopal varma");
   printf("\nname on card is : %s",a1.cardname);
   printf("\nname on card is : %s",a2.cardname);
   printf("\nname on card is : %s",a3.cardname);


   //cardnumber;
   a2.cardnumber= 789456123;
   a3.cardnumber=456123789;
   printf("\n card number is : %d ",a1.cardnumber);
   printf("\n card number is : %d ",a2.cardnumber);
   printf("\n card number is : %d ",a3.cardnumber);


   //amount
   a2.amount=8000;
   a3.amount=10000;
```

```
   printf("\n Amount is : %d ",a1.amount);
   printf("\n Amount is : %d ",a2.amount);
   printf("\n Amount is : %d ",a3.amount);

   //pin
   a2.pin=1234;
   a3.pin=4431;
   printf("\n pin is : %d ",a1.pin);
   printf("\n pin is : %d ",a2.pin);
   printf("\n pin is : %d ",a3.pin);


}
```

9 notepad

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

struct notepad
{
   char name[20];
   int size;
   int countline;
};

void main()
{
   struct notepad n1;
   struct notepad n2;
   struct notepad n3;

//user enter value
printf("\nenter the name ");
scanf("%s",&n1.name);
printf("\nenter the size : ");
scanf("%d",&n1.size);
printf("\nenter the count of line : ");
scanf("%d",&n1.countline);

//name
strcpy(n2.name,"tonika");
strcpy(n3.name,"onila");
printf("\n name is %s  ",n1.name);
printf("\n name is %s  ",n2.name);
printf("\n name is %s  ",n3.name);

//size
```

```
n2.size=42;
n3.size=89;
printf("\n size is : %d",n1.size);
printf("\n size is : %d",n2.size);
printf("\n size is : %d",n3.size);

//countline
n2.countline=180;
n3.countline=200;
printf("\n countline is :%d ",n1.countline);
printf("\n countline is : %d",n2.countline);
printf("\n countline is : %d",n3.countline);
}
```

10 whatsapp

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

struct whatsapp
{
        char name[20];
        int number ;
        int view ;
        int lastseen;
        int noofmsf;
};

void main()
{

  struct whatsapp w1;
  struct whatsapp w2;
  struct whatsapp w3;

          //user enter
          printf("\nenter the name : ");
          scanf("%s",&w1.name);
          printf("\nenter the number : ");
          scanf("%d",&w1.number);
          printf("\nview : ");
          scanf("%d",&w1.view);
          printf("\nlastseen: ");
          scanf("%d",&w1.lastseen);
          printf("\nenter the number of msg : ");
          scanf("%d",&w1.noofmsf);

        //name
```

```
        strcpy(w2.name,"wasim");
        strcpy(w3.name,"deepti");
        printf("\n name :  %s",w1.name);
        printf("\n name :  %s",w2.name);
        printf("\n name :  %s",w3.name);


        // number
        w2.number=89562342;
        w3.number=89564326;
        printf("\nnumber is : %d",w1.number);
        printf("\nnumber is : %d",w2.number);
        printf("\nnumber is : %d",w3.number);

        // view ;
        w2.view=5;
        w3.view=3;
        printf("\nview is : %d",w1.view);
        printf("\nview is : %d",w2.view);
        printf("\nview is : %d",w3.view);


        // lastseen;
        w2.lastseen=5;
        w3.lastseen=3;
        printf("\nlastseen this month of : %d",w1.lastseen);
        printf("\nlastseen this month of : %d",w2.lastseen);
        printf("\nlastseen this month of :%d",w3.lastseen);


        // noofmsf
        w2.noofmsf=5;
        w3.noofmsf=3;
        printf("\nno. of msg is : %d",w1.noofmsf);
        printf("\nno. of msg is %d",w2.noofmsf);
        printf("\nno. of msg is %d",w3.noofmsf);
}
```

Structure with function(5)

1 ATM with function

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

struct ATM
{
   char cardname[15];

};

struct ATM userenter(struct ATM );
void main()
{

   struct ATM a1;
   a1 = userenter(a1);
   printf("%s ",a1.cardname);

   }

struct ATM userenter(struct ATM a1)
   {
      printf("\n enter the card name : ");
   scanf("%s",&a1.cardname);
   return a1;

}
```

2 Department with function

```
#include<stdio.h>
#include<string.h>
struct department
{
   char name[10];

};
```

```
struct department department_name(struct department );
void main()
{
   struct department d1;
    d1=department_name(d1);
    printf("Department Name is %s",d1);
}

struct department department_name(struct department d1)
{
 printf("\n enter the department name  : ");
   scanf("%s",&d1.name);
   return d1;

}
```

3 Employee with function

```
#include<stdio.h>
#include<string.h>
struct emp
{
 char name[10];
};
struct emp name(struct emp);
void main()
{
   struct emp e1;
   e1=name(e1);
   printf("\n employee name is : %s",e1);
}

 struct emp name(struct emp e1)
 {
   printf("\n emp name enter here :  ");
   scanf("%s",&e1.name);
   return e1;
 }
```

4 Laptop with function

```
#include<stdio.h>
#include<string.h>
struct laptop
```

```
{
   char color[10];

};

struct laptop color(struct laptop);

void main()
{
   struct laptop l1;
   l1= color(l1);
  printf("color is %s ",l1);
}

struct laptop color(struct laptop l1)
{
   printf("\nlaptop color you want  : ");
   scanf("%s",&l1.color);
   return l1;
}
```

5 School with function

```
#include<stdio.h>
#include<string.h>
struct school
{
   int intake;

};
struct school intake(struct school);
void main()
{
   struct school s1;
   s1 = intake(s1);
   printf("intake is %d",s1);
}

struct school intake(struct school s1)
{
    printf("Enter the intake of class :  ");
   scanf("%d",&s1.intake);
   return s1;}
```