**Lab 10**

**Ans 1**

struct student

{

int name;

int roll;

char address[50];

int percent;

};

void main()

{

struct student a[10];

for(int i=0;i<10;i++)

{

printf("enter name of %d student",i);

scanf("%d",&a[i].name);

printf("enter roll no ");

scanf("%d",a[i].roll);

printf("enter their address");

scanf("%d",&a[i].address);

printf("enter percent");

scanf("%d",&a[i].percent);

}

}

**Ans 2.**

struct company

{

int emp\_id,phone,noOfEmployee;

char name[10],address[50],

};

void main()

{

int n;

printf("enter no of employee");

scanf("%d",&n);

struct company a[n];

for(int i=0;i<n;i++)

{

printf("enter name of %d employee",i+1);

scanf("%s",&a[i].name);

printf("enter their ID ");

scanf("%d",a[i].emp\_id);

printf("enter their phone no.");

scanf("%d",&a[i].phone);

printf("enter their address");

scanf("%s",&a[i].address);

}

for(i=0;i<10;i++)

{

printf("details of %d employee",i);

printf("name of employee %s\n",a[i].name);

printf("Id=%d",a[i].emp\_id);

printf("phone no = %d",a[i].phone);

printf("address = %d",a[i].address);

}

}

**Ans 3**

struct complex

{

int real;

int imag;

};

void oper(struct complex a,struct complex b);

int main()

{

struct complex a,b;

printf("enter complex no.");

printf("enter its real part");

scanf("%d",&a.real);

printf("enter its imaginery part");

scanf("%d",&a.imag);

printf("enter 2nd complex no.");

printf("enter its real part");

scanf("%d",&b.real);

printf("enter its imaginery part");

scanf("%d",&b.imag);

oper(a,b);

return 0;

}

void oper(struct complex a,struct complex b);

{

printf("what do want to perform \n enter 1 for addition \n enter 2 for subtraction");

int b;

printf("enter your choice");

scanf("%d",b);

if(b==1);

{

printf("addition =%d %dj",a.real+b.real,a.imag+b.imag);

}

else

{

printf("substraction =%d %dj",a.real-b.real,a.imag-b.imag);

}

}

**Ans 4**

struct student

{

int name;

int roll;

char address[50];

int percent;

};

void main()

{

struct student a[5];

for(int i=0;i<5;i++)

{

printf("enter name of %d student",i);

scanf("%d",&a[i].name);

printf("enter roll no ");

scanf("%d",a[i].roll);

printf("enter their address");

scanf("%d",&a[i].address);

printf("enter percent");

scanf("%d",&a[i].percent);

}

}

**Ans 5**

struct student

{

char name;

int roll;

struct details

{

char address[50];

int percent;

}det;

}stud;

void main()

{

printf("enter name of student");

scanf("%s",&stud.name);

printf("enter roll no ");

scanf("%d",stud.roll);

printf("enter their address");

scanf("%s",&stud.det.address);

printf("enter percent");

scanf("%d",&stud.det.percent);

printf("name of student = %d\n roll no=%d\n address = %d \n percentage=%d",stud.name,stud.roll,stud.det.address,stud.det,percent)

}